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1982

Census of Construction Industries

CC82-A-5

GEOGRAPHIC AREA SERIES

South Atlantic States

Delaware, District of Columbia, Florida, Georgia,
Maryland, North Carolina, South Carolina, Virginia,
West Virginia



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The publications
from the 1982 Economic and
Agriculture Censuses are dedicated
to the memory of Shirley Kallek,
Associate Director for Economic Fields.
During her career at the Bureau of the
Census (1955 to 1983), she continually
directed efforts to improve
the timeliness and accuracy of
economic statistics.

1982 Census of Construction Industries

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West Virginia

Issued March 1985



U.S. Department of Commerce
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CONSTRUCTION DIVISION

Leonora M. Gross, Chief

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South Atlantic States

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ECONOMIC CENSUSES OVER TIME

The early beginnings of America's industrial output were first measured in the United States in the 1810 Decennial Census and again in 1820, when questions on manufacturing were included with those for population. Beginning with the 1840 Decennial Census, there were enumerations of manufactures and mineral industries at 10-year intervals up to and including the year 1900 for manufactures and 1940 for mineral industries. The latter census was taken again for 1954, 1958, 1963, and 1967.

Because of the increasing dominance of manufacturing in the early 20th century, Congress directed that quinquennial censuses of manufactures be taken beginning in 1905. However, from 1919 through 1939, these censuses were conducted every 2 years. The need for war-related current surveys in the early 1940's postponed the next census of manufactures until 1948 (for 1947). That census was again taken for 1954, 1958, 1963, and 1967.

Retail and wholesale trade data were first collected in 1930, and in 1933 information on selected service industries was added to the data-collection operation. These business censuses, as they were called, were again taken for 1935, 1939 (as part of the 1940 decennial program), 1948, 1954, 1958, 1963, and 1967.

Information on construction industries was first obtained in 1930 and again for 1935 and 1939. Data for the full spectrum of construction industries were not gathered again until 1968 (for 1967).

The need for transportation data to supplement information available from existing governmental or private sources was recognized by Congress in the late 1950's and early 1960's. The census of transportation (consisting of several surveys) was first taken for 1963 and again for 1967.

Since 1967, all of the above censuses have been taken quinquennially as part of the Census Bureau's economic census program. (For the 1977 censuses, the coverage of the service

industries was broadened from "selected services" to all services, except religious organizations and private households. A total of 41 additional four-digit standard industrial classifications¹ (SIC's) in 7 SIC major groups was added to the scope of the census. While most of the industries included for the first time for 1977 were covered again for 1982, some were not, i.e., hospitals; elementary and secondary schools; colleges, universities, and professional schools; junior colleges and technical institutes; labor unions and similar labor organizations; and political organizations.)

The first manufacturing census for an outlying area was conducted in Puerto Rico for the year 1909. Thereafter, with the exception of 1929, a census was taken at 10-year intervals through 1949. The first censuses of retail trade, wholesale trade, and selected service industries in Puerto Rico were conducted for 1939. These censuses also were taken for the years 1949, 1954, 1958, 1963, and 1967. A census of construction industries was first introduced in Puerto Rico for 1967. These censuses of Puerto Rico have been taken since then for the years 1972, 1977, and 1982.

Censuses of manufactures, retail trade, wholesale trade, and selected service industries were conducted in Guam and the Virgin Islands of the United States for 1958, 1963, 1967, 1972, 1977, and 1982. Censuses of mineral industries were taken in the Virgin Islands of the United States for the years 1958, 1963, and 1967 but not since that time. A census of construction industries was also undertaken in these areas for 1972, 1977, and 1982.

Retail trade, wholesale trade, selected service industries, manufacturing, and construction industries were canvassed for the first time in the Northern Mariana Islands in 1983 (for 1982).

For 1982, the economic censuses and agriculture censuses were conducted concurrently.

USES OF THE ECONOMIC CENSUSES

The economic censuses are the major source for facts about the structure and functioning of the Nation's economy and provide essential information for government, business, industry, and the general public. They provide an important part of the framework for such composite measures as the gross national product, input-output measures, indexes of industrial production, and indexes measuring productivity and price levels. Information from the censuses is used to establish sampling frames and as benchmarks for current surveys of business activity, which are essential for measuring short-term economic conditions.

¹Standard Industrial Classification Manual: 1972. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Stock No.041-001-00066-6. 1977 Supplement. Stock No. 003-005-00176-0.

State and local governments use census data to assess business activities within their jurisdictions. The private sector uses the data to forecast general economic conditions; analyze sales performance; lay out sales territories; allocate funds for advertising; decide on locations for new plants, warehouses, or stores; and measure potential markets in terms of size, geographic areas, kinds of business, and kinds of products made or sold.

Following every census, thousands of businesses and other users purchase reports. Likewise, census facts are widely disseminated by trade associations, business journals, and newspapers. Volumes containing census statistics are available in most major public and college libraries. All 1982 data are available on microfiche from the U.S. Government Printing Office and most data on computer tape from the Census Bureau. Finally, the more than 50 State Data Centers also are suppliers of economic census statistics.

AUTHORITY AND SCOPE OF THE ECONOMIC CENSUSES

The economic censuses are required by law under title 13 of the United States Code, sections 131, 191, and 224, which directs that they be taken at 5-year intervals for the years ending in 2 and 7. The 1982 Economic Censuses covered manufacturing, mining, construction industries, retail trade, wholesale trade, service industries, and selected transportation activities. Special programs also cover minority-owned and women-owned businesses. The next economic censuses are scheduled to be taken in 1988 for the year 1987.

METHOD OF ACCOUNTING AND TIME COVERED

For the census report, respondents could use any system of accounting by which they maintained their books. Therefore, reports could be based on cash, accrual, or completion of contract methods of accounting.

A report was supposed to cover the calendar year 1982. If that involved considerable costs, fiscal year reporting was permitted if it did not produce great differences. However, all payroll and employment figures had to be reported for the calendar year.

CENSUS OF CONSTRUCTION INDUSTRIES—SCOPE AND CLASSIFICATION

The 1982 Census of Construction Industries covers all employer establishments (establishments with payroll) primarily engaged in contract construction, construction on their own account for sale, or in subdividing real property into lots as defined in the 1972 Standard Industrial Classification (SIC) Manual.¹ This industrial classification system has been developed by experts on classification in government and private industry under the guidance of the Office of Management and Budget and is in general use among government agencies and among organizations outside the government.

¹Standard Industrial Classification Manual: 1972. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Stock No. 041-001-00066-6. 1977 Supplement. Stock No. 003-005-00176-0.

Contract construction—The SIC manual defines construction in three broad types of activity: (1) building construction by general contractors, (2) other construction by general contractors, and (3) construction by special trade contractors.

1. **Building construction by general contractors**—General building contractors are primarily engaged in the construction of dwellings, office buildings, stores, farm buildings, and other projects of a similar character.
2. **Other construction by general contractors**—Often referred to as heavy construction contractors, these contractors are primarily engaged in the construction of highways, streets, bridges, and tunnels; docks and piers; dams and water projects; sewage collection, treatment, and disposal facilities; storm sewer systems; air fields; and other heavy construction which involves either earth moving or the erection of structures and appurtenances, other than buildings.
3. **Construction by special trade contractors**—Special trade contractors are primarily engaged in specialized construction activities such as plumbing, painting, electrical work, carpentry, etc.

General contractors in both the building and the heavy construction field usually assume responsibility for an entire construction project, but may subcontract to others those portions of the project requiring special skills or equipment. Special trade contractors may work for general contractors, for other subcontractors, or may work directly for the owner of the property.

Construction on their own account, for sale—Operative builders are primarily engaged in constructing buildings or other structures on their own account, acting as their own general contractor. These structures are generally sold when completed. Investment builders, primarily engaged in construction on their own account for rent or lease, were not included within the scope of the construction census.

Subdividers and developers, except cemeteries—The SIC manual defines subdividers and developers, except cemeteries, as establishments engaged in subdividing real property into lots, except cemetery lots, and in developing it for resale on their own account or for others.

In this system, each establishment is assigned an industry code on the basis of its major activity.

Each establishment receiving a questionnaire was requested to report the percent of total business receipts for each kind-of-business activity engaged in during 1982. This information was used for the computer assignment of appropriate industry classifications. During this work, various tests were also made using other data reported on the questionnaire. The proportion of construction receipts to total business receipts was checked to verify that the establishment was primarily in construction. Also taken into consideration were the types of structures worked on during the year and the extent of work undertaken for other contractors.

Construction establishments often engage in various construction activities, but in only a few instances do the SIC industry categories take into consideration combinations of activities. An example is SIC 1711, which includes establishments primarily engaged in plumbing, heating, air conditioning, ventilation, and refrigeration work. It is necessary, however, to assign a single industry code to the establishment based on its major activity.

Therefore, the statistics shown for an industry reflect not only the primary activity of the establishments in the industry, but also their secondary activities.

The structure of the Standard Industrial Classification System makes it possible to classify or tabulate establishments by major group (two-digit), industry group (three-digit), or industry (four-digit) according to the degree of detail available and needed.

ESTABLISHMENT BASIS OF REPORTING

The census of construction industries is conducted on an establishment basis. A "construction establishment" is defined as a relatively permanent office or other place of business which has been established for the management of more than a single project or job and is expected to be maintained on a continuing basis. Such "establishment" activities include, but are not limited to, estimating, bidding, scheduling, purchasing, supervising, and operating the actual construction work being conducted at one or more construction sites.

Exceptions to the "relatively permanent office" rule were that: (1) in case of joint ventures, a separate establishment report was required covering the joint venture entity even though established to undertake only a single project; and (2) to the extent that separate legal entities were set up to carry out only a given project or part of a project, then a separate establishment report was also required for each legal entity.

To the extent that several companies shared or operated out of a single office or place of business, each such legal entity engaged in construction was considered a separate establishment and each was requested to file the necessary "establishment" report covering the activities it conducted in or from that common office.

Companies with more than one construction establishment were required to submit a separate report for each such establishment operated during all or any part of 1982.

Separate construction reports were not required for each project or construction site. Aggregated information was included in the report of the construction establishment responsible for the work of the construction projects and sites.

If an establishment engaged in two or more distinctly different lines of economic activity (wholesale or retail trade, service, manufacturing, construction, mining, etc.) at the same place of business, it was requested to file a separate report appropriate to each activity, provided that the activity was of substantial size and separate records were maintained or substantially accurate estimates could be prepared.

If a separate establishment report could not be prepared for each activity, then a construction report was requested covering all activities of that establishment providing that the 1982 gross receipts from construction activities exceeded the gross receipts from each of its other activities.

An establishment is not necessarily identical with a "company" or "enterprise," which may consist of one or more establishments. The census of construction industries figures represent a summary of records for individual establishments rather than for companies. The census tabulations, therefore, differ from those prepared on a company basis.

Construction businesses with no payroll during 1982 (nonemployers) were not required to file census reports. Collection and tabulation of data for these businesses are described in the section on "Sample Design." Foreign construction activities were not included in this census.

SAMPLE DESIGN, ESTIMATION PROCEDURES, AND RELIABILITY OF ESTIMATES

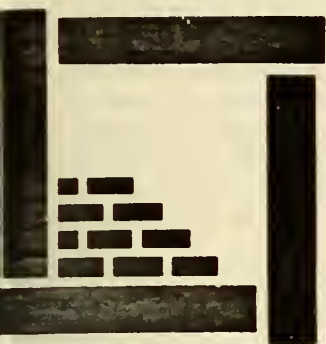
The firms included in the 1982 Census of Construction Industries were identified as part of an operation common to all 1982 Economic Censuses. Construction firms were divided into employers (firms with payroll) and nonemployers (firms without payroll). Statistical information for the employers was obtained in the census by a survey which included all medium size and large employers and a sample of the smaller ones. Census reports were not required from the nonemployers. Statistics on them were obtained from administrative records of other agencies of the Federal Government based on information supplied directly to the agencies.

Employer Firms

Developing the sampling frame for employer firms—This operation started with obtaining a list of all construction firms in the active records of the Internal Revenue Service (IRS) which were subject to payment of Federal Insurance Contributions Act taxes. The basic source for this list has been the Internal Revenue Service Business Master File, a comprehensive list of firms engaged in business activities in the United States. The file contains the name, address, and form of ownership of each firm and also indicates whether or not the firm is subject to the Federal Insurance Contributions Act. Each firm in this file is assigned a unique employer identification (EI) number which it uses in filing its various reports with the IRS. The Social Security Administration (SSA) maintains a similar list using the same identification numbers, which also contains information on the industrial classification of each firm. The Bureau of the Census obtained both of these lists and combined them.

Under special arrangements which safeguarded the confidentiality of the information, the Bureau also obtained administrative-record data on payrolls and receipts and added these data to the combined list. The list, thus created from the IRS-SSA information, was a list of employer firms. However, for the 1982 Economic Censuses the basic reporting unit is the "establishment." Therefore, steps were taken to identify the individual establishments of those firms which operate more than one place of business. The information for making this determination was obtained by means of the Company Organization Survey (COS), an annual canvass of all known multiestablishment firms and large single-establishment firms. Thus, the 1982 Economic Census list for single-establishment employer firms was obtained from the IRS-SSA, but the list of establishments of multi-establishment employer companies was obtained directly from those companies in the COS.

In general, the IRS-SSA list provided sufficient industrial classification data to assign a firm to the proper economic census, but there were a number of firms for which this information was inadequate or unavailable. A special form, NC-9923, General Report, was mailed to all such firms, requesting information on the nature of the firm's activities. From the information reported, the firm was given an industrial classification code and assigned to the appropriate economic census. Since construction firms found in this way were identified as such, only after the regular census mailing had taken place, they were treated as a supplement to the basic list.



FINAL REPORT
GEOGRAPHIC AREA SERIES

1982 Census of Construction Industries

CC82-A-1 to 10
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CHANGE SHEET

This revision is to table 6 in the original publications for Geographic Area Series CC82-A-1 to 9 and table 9 for Geographic Area Series CC82-A-10. In the stub, change 1982 (line 8) to read 1981 and 1981 (line 12) to read 1982.



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For 1982, some data will be published for Standard Consolidated Statistical Areas (SCSA's) and selected Standard Metropolitan Statistical Areas (SMSA's). Therefore, each establishment was assigned to an SMSA code or to the balance of a State. The balance of the State was considered to be a separate cell for the selection process. In States where none of the SMSA's had more than 500,000 inhabitants in the 1970 Decennial Census, all establishments were assigned to the balance of the State.

Selecting the employer sample—A construction universe of about 464,000 single establishment employer firms and 6,500 multiestablishment employers, accounting for another 13,000 construction establishments, was developed by the procedures described above. From this universe, a sample of 172,000 employer establishments was selected. This sample was generally organized by standard industrial classification (SIC) in State sequence. The sample was designed to provide publishable estimates for the most construction industries at the State and selected SMSA level. It consisted of all construction establishments in multiestablishment companies, all single-establishment companies with the payroll equivalent of 20 employees or more, and a sample of single-establishment companies with less than 20 employees. There were three SIC's for which this standard plan was not used: SIC 1622, Bridge, Tunnel, and Elevated Highway Construction Contractors; SIC 1795, Wrecking and Demolition Work Special Trade Contractors; and SIC 1796, Installation or Erection of Building Equipment Special Trade Contractors.

The number of establishments classified in each of these three industries is very small and consequently, all single-unit establishments in these three industries were included in the sample. For sampling purposes, the number of employees was estimated from the 1981 payroll data in the administrative records, using an industry average wage per employee. The sampling was accomplished using a systematic method within each four-digit SIC. If the SIC code for an establishment was not complete, it was sampled as part of a two-digit group (e.g., 1520 was sampled as 1500, 1620 as part of 1600) except for non-classifiable cases in two-digit group 17. These were sampled as part of 1799 which is Special Trade Contractors, Not Elsewhere Classified. For the establishments with less than 20 employees, the sample was selected by sorting the establishments into State by SMSA by SIC by payroll sequences, and drawing a systematic sample of at least two establishments within each cell, with the probability of selection being proportional to the 1981 payroll. If the State-SMSA-SIC cell had two or less establishments in the frame, all establishments were selected (a 100-percent sample). A 100-percent sample was taken of the construction firms identified from the NC-9923, General Report, and of the transfers from other census trade areas. These latter cases were identified during the processing stages. These were caused either by changes of activity in the firm since the last updating of the classification file, or errors in the mailout classification. These cases were all added to the construction census, with certainty.

Estimation procedures for 1982 and 1977 data—Since all larger employer firms and some smaller ones were included in the census, sample estimation was required only for the universe of firms not selected with certainty. The published statistics are the totals of the estimates for the sampled firms and the

aggregates for the certainty (larger) firms. All estimates for 1982 and 1977 published here are simple unbiased estimates of the form:

$$x'_c = \frac{\sum_{i=1}^{n_c} x_i}{n_c}$$

where: x'_c is the simple unbiased estimate of a characteristic for a publication cell.

x_i is the reported value of a characteristic for an individual establishment in the publication cell.

p_i is the selection probability of that firm.

n_c is the number of firms in the sample for the cell.

This method of estimation was used for all 1982 and 1977 characteristics. Before this formula was applied, it was necessary to convert into dollars those distributions of construction receipts which had been reported by the establishments as percentages—construction receipts by type of project, location of project, etc.

Reliability of employer statistics—Since the estimates for employer establishments in these reports are based on the samples, they are subject to sampling variability and may be expected to differ from results which would have been obtained if a complete census had been taken using the same forms and procedures. The sampling errors shown in the tables were estimates directly from the sample reports, using methods appropriate for the sample design and form of estimation used.

The relative standard error is a measure of sampling variability, i.e., the variation that might occur by chance because only a sample of the population is surveyed. As calculated for this report, the relative standard error also partially reflects the effect of random errors of response and processing, but it does not take into account the effect of any consistent biases due to those types of errors. The chances are about 68 out of 100 that an estimate from the sample would differ from a complete census by less than the relative standard error. The chances are about 95 out of 100 that the difference is less than twice the relative standard error and about 99 out of 100 that it is less than 2-1/2 times the relative standard error. Individual estimates with large relative standard errors have been shown in the published tables. Any such estimates should be used with caution. The very large relative standard errors generally occur for the smaller estimates.

Although relative standard errors have been calculated for all of the published statistics, they are shown for each statistic only in the tables presenting detailed statistics. The other tables show relative standard errors only for some characteristics because of lack of space.

Separate measures of reporting and processing errors are not available. However, estimates which were subject to large errors of these types are likely to have been detected and corrected, or withheld from publication in the process of the review of the data for reasonableness and consistency. Other specific qualifications of the published data are indicated in footnotes to the tables.

The statistics in this report were based on data received by the time of final publication. Data were imputed for

establishments that did not report by that date. Selected establishments were contacted again to obtain as much information on the telephone as possible. Late data received in early 1984 were substituted for imputed data when the difference between the two was significant. Some publication cells in which more than 50 percent of the data were imputed have been suppressed.

Nonemployer Firms

General—As described earlier, the information derived from the business income tax returns of all firms was matched to the census employer file on the basis of common identification numbers. Those business income tax returns which could not be matched, were further classified on the basis of several characteristics. Returns with characteristics consistent with firms without payroll were treated as nonemployers. The nonemployer construction firms were not required to file census reports.

For "number of establishments," each separate income tax return was assumed to be an establishment. "All business receipts" was based on receipts information reported on the tax return. In 1982, this group accounted for 60 percent of the total number of construction establishments, but accounted for only 8 percent of all business receipts of all construction establishments.

Qualifications to the nonemployer data—Since no sampling was involved in the nonemployer establishments, the statistics for nonemployers are not subject to sampling variability. However, these data are subject to an unknown amount of reporting and processing errors which could not be detected by the Census Bureau.

CENSUS REPORT FORMS

Information for the 1982 Census of Construction Industries was obtained from employer establishments primarily through the use of eight questionnaires, determined by industry classification and size. Standard forms and short forms were developed for each of the three two-digit SIC groups (15, 16, and 17), and for the establishments classified in SIC 6552. Establishments with 50 or more employees all received the standard form. A sub-sample of establishments with fewer than 50 employees received short forms instead of the standard forms. The short forms covered only major items and omitted most of the detail found in the longer forms.

In reviewing and developing the questionnaires, comments and recommendations were solicited from construction trade associations and appropriate advisory groups. The Census Bureau surveyed several thousand firms representing all economic activities to gain insight into the way companies maintain records and to see whether new information could be collected.

DATA PROCESSING

The 1982 census report forms were mailed out in December 1982. Collection of these report forms, also by mail, was essentially completed in July 1983. They were mailed from and

returned to the Census Bureau's Data Preparation Division in Jeffersonville, Ind., where routine editing and coding of the report forms were also accomplished.

The returned reports underwent extensive processing. A preliminary edit done at the time of data entry identified obviously deficient reports and reports needing clarification. When necessary, these problems were resolved by further contact with the respondents. Next, the data were transmitted to Census Bureau headquarters in Washington, D.C.

Data records, then, underwent a detailed computer review and analysis. The records containing significant problems were referred for further analytical review and, if necessary, contacts were made with the respondents. The computer performed most classification coding (such as industry coding, geographic coding, and size coding) and imputation for missing items or for the small number of reports not received in time for tabulation. The imputation was performed on an industry (or industry group)-State (or geographic group) basis using all available response and administrative data.

The data records were then tabulated on an industry basis. Industry totals were subjected to analytical review, and selected statistics were prepared for the preliminary reports. Corrections resulting from this review were made to the computer records and final tabulations were produced.

The review of a preliminary report for an industry often uncovered the need for corrections or revisions to the data for another industry for which a preliminary report had already been published. The final reports incorporate all revisions and corrections made during the review of the preliminary reports and contain considerable more data than were published in those reports.

GEOGRAPHIC CLASSIFICATION

Information for the 1982 Census of Construction Industries' final industry report series is classified on the basis of two types of geographic distributions: (1) physical location of the establishment, and (2) location of construction work. Separate State codes were assigned based on this information.

The geographic area reports series presents similar data by industry for each State (physical location of the establishment) and for selected SCSSA's and SMSA's.

DUPLICATION IN RECEIPTS

The aggregate of construction receipts reported by all construction establishments in each of the several industry, geographic area, or other groupings in this census, contains varying amounts of duplication, since the construction work (and the receipts) of one firm may be subcontracted to other construction firms and also be included in the subcontractors' receipts. To avoid this duplication, a "net construction receipts" figure has been derived for each establishment by subtracting the payments made for construction work subcontracted to others from the total construction receipts.

Duplication in receipts between other construction and non-construction industries results from the use of products of these other industries as input materials by construction establishments. "Value added," avoids this duplication and is, for most purposes, the best measure for comparing the relative economic importance of industries or areas. "Value added," is

defined in the 1982 Census of Construction Industries as equal to all business receipts less payments for construction work subcontracted to others and payments for materials, components, supplies, and fuels. However, for SIC 6552 and SIC 1531 where land receipts are significant, value added is defined as equal to all business receipts less land receipts, payments for construction work subcontracted to others, and payments for materials, components, supplies, and fuels.

SPECIAL TABULATIONS

Special tabulations of data collected in the 1982 Census of Construction Industries may be obtained on computer tape or in tabular form. The data will be in summary form and subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies), as are the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact and detailed specifications of the type and format of the data to be provided, should be directed to the Chief, Construction Statistics Division, Bureau of the Census, Washington, D.C., 20233.

To discuss a special tabulation before submitting specifications, call 301-763-5435.

RELATIONSHIPS OF THE ECONOMIC CENSUSES TO CURRENT SURVEYS

The Census Bureau also conducts current surveys (monthly, quarterly, and annually) to keep abreast of the rapid changes in business conditions, new processes, new materials, and shifting demands of goods and services. The census universe provides the sampling frame, weights, and benchmarks on which some of these current surveys are based. The accuracy of the measures derived from these current surveys is directly related to the completeness of information provided in the censuses.

COMPARABILITY OF CENSUS OF CONSTRUCTION INDUSTRIES DATA WITH OTHER DATA

Data contained in the reports of the 1982 Census of Construction Industries are not the same as the data published in the Census Bureau's monthly Construction Reports, Series C30, Value of New Construction Put in Place. The main difference is that the C30 series covers all new construction put in place without regard to who is performing the construction activity, whereas, the construction census figures cover both new construction and

maintenance and repair work, but only for establishments classified in the construction industry. Force account construction activity—construction work performed by the labor force of a nonconstruction company for itself, or by other entities (Federal, State, or local governments) for themselves, or by property owners for themselves—probably accounts for more than half of the difference in the data of the two series of reports. Other factors contributing to the difference are that the census data do not include: (1) the value of materials supplied by the owners of projects, (2) the value of separate architectural and engineering services and, to a lesser extent, (3) the value of construction work performed for others by firms outside the scope of construction (manufacturers who install, lumber yards and other businesses, etc.).

Data contained in the reports of the census of construction industries may also differ from industry data in "Employment and Earnings Statistics," published by the Bureau of Labor Statistics, and "Statistics of Income," published by the Internal Revenue Service. These differences arise from varying definitions of scope, coverage, timing, classification, and methodology. Their effect is not fully known.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in this publication:

- * Sampling error exceeds 40 percent.
- ** All employees (average) is the sum of construction workers during pay period including 12th of March, May, August, and November divided by 4, added to all others, March 12th.
- Represents zero.
- † Represents total construction receipts less payments for construction work subcontracted to others. (See Duplication in Receipts.)
- †† Represents all business receipts less payments for construction work subcontracted to others, and payments for materials, components, supplies, and fuels. In SIC's 1531 and 6552, land receipts are also subtracted from "all business receipts." (See Duplication in Receipts.)
- ‡ Possible duplication in data. (See Duplication in Receipts.)
- (D) Withheld to avoid disclosing data for individual companies; data are included in higher level totals.
- (NA) Not available.
- (S) Withheld because estimate did not meet publication standards on the basis of either the response rate, associated standard error, or a consistency review.
- (W) Greater than zero but less than 1 percent.
- n.s.k. Not specified by kind.

Users' Guide for Locating Statistics in This Report by Table Number

Statistics	By State	By industry	By employ- ment size	By receipts size	By type, class, ownership, kind of business, and location of construction ¹	By SCSA and SMSA ²
Assets and depreciation (gross book value):						
Beginning of year—structures, machinery and equipment	5					
End of year—total	3, 5	3	7	8		
End of year—structures, machinery and equipment	5					
Depreciation charges during the year— structures, machinery and equipment	5					
Capital expenditures:						
Total capital expenditures	3, 5	3	7	8		12
New structures—machinery and equipment	5					
Used structures—machinery and equipment	5					
Communication services, payments for	4					
Employees:						
All employees—average number	1, 3	3	7	8		12
Construction workers—average number	3, 4, 10	3, 10				
Other employees—March	4					
Employer costs for fringe benefits—legally required and voluntary expenditures	4					
Establishments:						
Number in business at end of year	4					
Number in business during the year:						
All	1			2		
With payroll	1, 3, 4, 6, 10	3, 10	7	2, 8		12
Without payroll	1			2		
Hours—construction workers:						
Total	3, 4, 10	3, 10	7	8		
Quarterly	4, 10	10				
Inventories	6					
Materials, components, supplies, and fuels— payments for	3, 4	3	7	8		12
Payroll:						
First quarter, all employees	4					
Annual:						
All employees	3, 4	3	7	8		12
Construction workers	3, 4	3				
Other employees	4					
Power, fuels, and lubricants—payments for	4					
Proprietors and working partners:						
All establishments	1			2		
Establishments with payroll	1, 4			2		
Establishments without payroll	1			2		
Ratios, industry	11	11				
Receipts:						
All business receipts:						
All establishments	1			2		
Establishments with payroll	1, 4		7	2, 8		
Establishments without payroll	1			2		
Construction receipts, total	3, 4, 6	3	7	8	4, 9	12
For work subcontracted in from others	4					
Other business receipts and land receipts	4					
Net construction receipts	3, 4	3	7	8		12
Value added	3, 4	3	7	8		12
Rental payments:						
Total	3, 4	3	7	8		
For machinery and equipment	4					
For structures	4					
Repairs to structures and related facilities	4					
Repairs to machinery and equipment	4					
Storage capacity for fuels ³	4					
Subcontract work to others, payments for	3, 4	3	7	8		12

Note: Data for 1977 and earlier years are also available in some of these tables.

¹Type—buildings, roads, etc. Class—new construction or maintenance and repair work. Ownership—private or government owned.

²SCSA—Standard Consolidated Statistical Area; SMSA—Standard Metropolitan Statistical Area.

³Storage capacity for fuels shown only for SIC's 1611, 1622, 1623, and 1629.

Delaware

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SUMMARY OF FINDINGS

During 1982, 3,420 establishments in Delaware operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$1.6 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 2,029 establishments in this State with no payroll accounted for about 7 percent of all business receipts for all construction establishments in Delaware. On the other hand, 1,391 establishments classified as "employers" accounted for 93 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$1.53 billion, of which \$1.50 billion were receipts for construction work. These establishments paid \$432 million for construction work subcontracted to others, leaving net construction receipts of about \$1.1 billion. Value added for these establishments amounted to \$602 million. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Delaware paid \$475 million for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of

\$17.9 million were also made for selected power, fuels, and lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Delaware was 15.6 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 5.2 million hours, while hours worked during the third quarter were 6.1 million hours.

Total payroll for 1982 was \$296 million. Payments of \$55.6 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Delaware are based on a sample of about 625 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprie- tors and working partners	All em- ployees**	All business receipts	Number	Proprie- tors and working partners	All business receipts	Number	Proprie- tors and working partners	All em- ployees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
15,16, 17	1982													
	Construction industries and subdividers and developers-----	3 420	2 376	15 618	1 637 074	2 029	2 005	106 625	1 391	371	15 618	1 530 449	2	1
	Construction industries¹ -----	3 344	2 302	15 614	1 618 949	1 956	1 932	88 503	1 388	370	15 614	1 530 446	2	1
	General building contractors and operative builders -----	833	504	3 001	324 280	448	424	32 686	385	80	3 001	291 594	6	5
	Heavy construction, general contractors _	143	72	3 110	784 938	58	54	6 224	85	18	3 110	778 714	2	1
	Special trade contractors -----	2 368	1 726	9 503	509 731	1 450	1 454	49 593	918	272	9 503	460 138	3	2
	Plumbing, heating, and air conditioning----	340	172	3 351	160 905	137	133	6 143	203	39	3 351	154 762	3	3
	Electrical work -----	271	191	1 256	64 796	137	139	3 313	134	52	1 256	61 483	11	9
	Subdividers and developers, n.e.c.² -----	73	73	-	18 122	73	73	18 122	-	-	-	-	-	-
15,16, 17	1977													
	Construction industries and subdividers and developers-----	3 082	2 208	17 826	1 120 078	1 499	1 526	29 676	1 583	682	17 826	1 090 402	2	1
	Construction industries¹ -----	3 031	2 167	17 770	1 114 479	1 460	1 485	26 525	1 571	682	17 770	1 087 954	2	1
	General building contractors and operative builders -----	767	432	3 845	226 397	251	253	11 486	516	179	3 845	214 911	5	3
	Heavy construction, general contractors _	134	69	4 749	582 263	43	45	738	91	24	4 749	581 525	1	(W)
	Special trade contractors -----	2 130	1 666	9 176	305 819	1 166	1 187	14 301	964	479	9 176	291 518	3	3
	Plumbing, heating, and air conditioning----	342	220	3 374	112 847	122	124	2 457	220	96	3 374	110 390	4	4
	Electrical work -----	245	157	1 210	46 671	97	94	1 005	148	63	1 210	45 666	14	14
	Subdividers and developers, n.e.c.² -----	56	41	57	5 605	39	41	3 151	17	-	57	*2 454	39	42

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1982													
The State	3 420	2 376	15 618	1 637 074	2 029	2 005	106 625	1 391	371	15 618	1 530 449	2	1
\$10,000,000 or more	18	2	4 622	(D)	1	2	(D)	17	-	4 622	(D)	(W)	-
\$5,000,000 to \$9,999,999	17	4	1 464	(D)	1	2	(D)	16	2	1 464	(D)	(W)	-
\$2,500,000 to \$4,999,999	39	6	1 380	1 170 373	3	4	30 802	36	2	1 380	1 139 553	(W)	(W)
\$1,000,000 to \$2,499,999	108	12	2 567	172 344	9	6	11 943	99	*6	2 567	160 401	6	9
\$500,000 to \$999,999	140	14	1 596	96 501	9	6	5 410	131	*8	1 596	91 091	9	11
\$250,000 to \$499,999	178	56	1 267	64 469	25	27	8 231	153	29	1 267	56 238	11	11
\$100,000 to \$249,999	438	189	1 490	68 078	89	83	13 005	349	106	1 490	55 073	12	10
\$50,000 to \$99,999	524	345	769	36 614	213	212	15 011	311	133	769	21 603	12	10
\$25,000 to \$49,999	436	340	280	15 499	313	312	10 834	123	28	280	4 665	25	17
Less than \$25,000	1 521	1 407	(S)	13 195	1 366	1 351	11 371	155	(S)	(S)	(S)	-	-
\$10,000 to \$24,999	(NA)	(NA)	(NA)	(NA)	511	508	7 992	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	337	339	2 283	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999	(NA)	(NA)	(NA)	(NA)	304	297	882	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000	(NA)	(NA)	(NA)	(NA)	214	207	214	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977													
The State	3 082	2 208	17 826	1 120 078	1 499	1 526	29 676	1 583	682	17 826	1 090 402	2	1
\$10,000,000 or more	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 ²	22	6	6 806	679 164	-	-	-	22	6	6 806	679 164	(W)	(W)
\$2,500,000 to \$4,999,999	22	-	1 029	(D)	-	-	-	22	-	1 029	(D)	(W)	-
\$1,000,000 to \$2,499,999	66	4	2 086	170 432	2	1	(D)	64	3	2 086	170 432	2	1
\$500,000 to \$999,999	135	24	2 438	93 800	3	1	4 936	132	23	2 438	88 864	7	8
\$250,000 to \$499,999	175	35	1 832	63 144	8	7	2 730	167	28	1 832	60 414	7	8
\$100,000 to \$249,999	367	152	1 774	57 319	24	24	3 392	343	128	1 774	53 927	10	10
\$50,000 to \$99,999	399	252	963	27 892	43	47	2 965	356	205	963	24 927	13	13
\$25,000 to \$49,999	422	361	577	15 232	184	204	6 210	238	157	577	9 022	25	16
Less than \$25,000	1 474	1 375	(S)	13 097	1 235	1 242	9 443	(S)	(S)	(S)	(S)	-	-
\$10,000 to \$24,999	604	512	282	9 626	403	409	6 153	201	103	282	3 473	23	24
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	338	344	2 280	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999	(NA)	(NA)	(NA)	(NA)	294	289	863	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500	(NA)	(NA)	(NA)	(NA)	200	200	147	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers -----	1 391	15 618	13 086	296 027	245 224	23 080	1 497 170	1 065 262
15,16, 17	Construction Industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	243	1 105	921	11 505	8 500	1 432	65 951	48 182
1522	Other residential buildings -----	19	211	110	2 932	2 070	190	15 586	8 832
1531	Operative builders -----	39	385	297	7 068	5 243	465	139 080	21 966
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	29	626	509	10 968	7 833	949	65 673	31 830
1542	Nonresidential buildings, n.e.c. -----	55	674	502	12 327	8 489	844	98 753	37 021
16	Heavy construction general contractors:								
1611	Highway and street construction -----	40	1 078	872	20 850	15 824	1 595	92 006	77 871
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines -----	16	645	581	11 397	9 501	1 283	33 545	31 201
1629	Heavy construction, n.e.c. -----	26	1 367	1 290	(D)	(D)	(D)	(D)	(D)
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning -----	203	3 351	2 818	76 382	66 484	4 920	153 302	140 803
1721	Painting, paper hanging, and decorating -----	77	361	328	4 488	3 780	411	11 016	10 657
1731	Electrical work -----	134	1 256	1 065	25 570	22 149	1 700	61 302	60 286
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	96	792	654	9 518	7 885	838	26 124	25 126
1742	Plastering, drywall, and insulation work -----	41	592	502	10 054	8 343	790	28 688	27 464
1743	Terrazzo, tile, marble, and mosaic work -----	11	61	45	1 192	748	77	3 078	2 888
175	Carpentering and flooring:								
1751	Carpentering -----	125	410	363	4 738	3 848	580	17 231	14 263
1752	Floor laying and other floorwork -----	*12	91	66	1 403	868	96	3 838	3 738
1761	Roofing and sheet metal work -----	57	874	754	14 920	11 604	1 214	45 020	43 864
1771	Concrete work -----	43	605	518	10 937	9 251	1 142	40 384	32 860
1781	Water well drilling -----	6	50	36	706	475	(D)	2 197	(D)
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	6	150	129	4 460	3 784	232	(D)	8 467
1793	Glass and glazing work -----	*5	(S)	(S)	(S)	(S)	(S)	(S)	(D)
1794	Excavating and foundation work -----	34	409	343	6 904	5 244	775	23 529	20 374
1795	Wrecking and demolition work -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. -----	14	154	127	2 903	2 248	219	8 620	7 515
1799	Special trade contractors, n.e.c. -----	52	297	210	4 318	3 029	339	11 829	11 608
6552	Subdividers and developers, n.e.c. -----	-	-	-	-	-	-	-	-

†Land receipts for SIC 1531 were \$3,998; for SIC 6552 were \$0.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
602 031	492 511	431 908	15 132	17 989	218 485	17 826	1 067 681	402 371	2	1	4	15,16, 17
												15
30 583	18 234	17 769	439	591	4 996	1 660	62 635	26 071	11	16	14	152
5 053	3 961	6 754	92	78	1 866	(D)	(D)	(D)	2	2	9	1521
												1522
13 332	8 956	17 114	207	557	26 661	396	37 981	11 509	14	16	20	1531
17 266	15 122	33 843	321	588	4 674	972	49 477	6 133	6	5	7	154
22 270	15 606	61 732	903	998	9 002	776	51 468	15 344	12	9	2	1541
												1542
												16
61 327	(D)	14 135	2 756	3 467	52 803	949	41 083	22 233	5	4	6	1611
(D)	(D)	(D)	(D)	(D)	(D)	358	21 430	10 247	—	—	—	162
22 827	(D)	2 344	692	3 177	22 847	706	27 924	18 961	5	6	6	1622
(D)	(D)	(D)	(D)	1 119	13 147	(D)	(D)	(D)	1	—	(W)	1623
												1629
												17
108 739	33 524	12 498	2 011	1 267	12 892	3 374	109 756	77 695	3	3	7	1711
7 875	2 844	359	202	87	2 494	693	7 966	6 062	14	10	5	1721
39 698	20 768	1 016	504	539	8 489	1 210	42 369	28 486	11	9	16	1731
15 822	(D)	998	305	623	6 640	736	14 364	9 283	16	14	20	174
16 371	11 211	1 224	132	557	4 282	498	15 284	9 893	8	8	36	1741
1 942	984	190	*7	24	299	(D)	1 596	933	24	22	(W)	1742
												1743
8 310	5 982	2 968	99	198	2 060	284	7 258	4 035	17	17	33	175
2 239	1 665	(S)	98	*147	811	164	4 767	2 365	29	27	44	1751
												1752
26 395	17 556	1 156	345	1 249	6 487	787	25 478	15 787	8	6	13	1761
22 158	10 726	7 524	696	500	7 475	427	11 857	6 388	10	8	4	1771
1 477	1 110	(D)	25	75	1 678	55	(D)	1 402	15	—	5	1781
(D)	425	(D)	(D)	(D)	(D)	282	15 905	10 916	(W)	(W)	—	179
(S)	(D)	(D)	(D)	(S)	(S)	47	1 394	759	—	—	—	1791
15 795	4 741	3 155	(D)	1 278	(D)	302	13 321	9 379	13	11	13	1793
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	—	—	1794
4 935	2 723	1 105	84	6	1 533	75	2 811	1 997	3	2	(W)	1795
7 381	(D)	221	225	208	3 295	197	6 384	3 364	17	13	20	1796
												1799
—	—	—	—	—	—	57	*1 351	*611	—	—	—	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	1 391	1 583	1 471	1 110	4	6	6	5
Number of establishments in business at end of year	1 354	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Proprietors and working partners	371	682	803	533	9	11	11	10
All employees**	15 618	17 826	18 984	21 203	2	2	2	1
Construction workers:								
March	11 924	13 746	14 611	18 148	2	2	3	1
May	13 880	14 446	15 794	19 287	2	2	3	1
August	13 378	16 146	17 724	19 184	2	3	3	1
November	12 734	14 800	16 356	17 763	2	2	3	1
Average	13 086	14 794	16 246	18 654	2	2	3	1
Other employees:								
March	2 532	3 013	2 575	2 540	3	2	2	2
Construction worker hours (thousands):								
January to March	5 157	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
April to June	6 117	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
July to September	6 067	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
October to December	5 738	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Total hours worked	23 080	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Payroll, all employees	296 027	246 869	185 092	168 373	2	1	2	1
Payroll, construction workers	245 224	194 773	151 573	141 525	2	2	2	1
Payroll, other employees	50 803	52 096	33 519	26 841	2	2	2	1
First quarter payroll, all employees	67 274	53 966	(NA)	(NA)	1	1	(NA)	(NA)
Employer costs for fringe benefits	55 597	46 592	(NA)	(NA)	2	1	(NA)	(NA)
Legally required expenditures	36 990	21 666	(NA)	(NA)	2	2	(NA)	(NA)
Voluntary expenditures	18 607	24 925	(NA)	(NA)	2	1	(NA)	(NA)
All business receipts	1 530 449	1 090 402	862 671	560 148	1	1	2	2
Total construction receipts	1 497 170	1 067 681	839 568	541 986	1	1	2	2
Receipts for work subcontracted in from others	233 465	198 204	128 335	65 754	4	2	3	3
Land receipts ¹	3 998	(NA)	(NA)	(NA)	11	(NA)	(NA)	(NA)
Other business receipts	29 281	22 721	23 103	18 172	2	12	2	3
Net construction receipts†	1 065 262	746 787	598 331	460 179	1	1	2	2
Value added††	602 031	402 371	324 388	241 618	2	1	2	2
Selected payments	924 420	681 388	530 828	316 972	1	1	2	2
Materials, components, and supplies ²	474 638	346 534	289 591	236 233	1	1	2	1
Construction work subcontracted to others	431 908	320 895	241 237	81 809	1	1	2	6
Selected power, fuels, and lubricants	17 873	13 959	(NA)	(NA)	3	2	(NA)	(NA)
Electricity	2 369	1 833	(NA)	(NA)	3	4	(NA)	(NA)
Natural gas	413	301	(NA)	(NA)	15	14	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	14 038	8 238	(NA)	(NA)	3	3	(NA)	(NA)
Other, including lubricating oils and greases	1 052	3 587	(NA)	(NA)	7	2	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	496	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	15 132	8 508	(NA)	(NA)	2	1	(NA)	(NA)
For machinery and equipment	9 973	7 202	5 776	4 510	2	1	2	5
For structures	5 159	1 306	(NA)	(NA)	3	5	(NA)	(NA)
Selected purchased services	17 106	11 970	(NA)	(NA)	3	2	(NA)	(NA)
Communication services	3 935	3 131	(NA)	(NA)	4	3	(NA)	(NA)
Repairs to structures and related facilities	1 219	1 093	(NA)	(NA)	4	6	(NA)	(NA)
Repairs to machinery and equipment	11 952	7 747	(NA)	(NA)	4	2	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	1 497 170	1 067 681	839 568	541 986	1	1	2	2
Government owned	246 454	148 733	206 293	112 657	6	1	2	5
Privately owned	1 250 716	918 948	633 275	429 329	2	1	2	3

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	208 968	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	17 989	15 728	33 764	7 304	4	7	2	3
New -----	14 955	13 152	32 040	5 876	5	8	1	3
Used -----	3 034	2 576	1 724	1 428	7	8	21	7
Retirements and disposition of depreciable assets -----	8 473	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	218 485	122 860	79 913	(NA)	3	2	2	(NA)
Depreciation charges during year -----	23 074	10 490	7 452	(NA)	4	2	3	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	59 820	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	2 315	3 517	(D)	820	14	21	-	17
New structures and related facilities -----	2 221	3 065	2 178	566	14	31	4	13
Used structures and related facilities -----	94	452	(D)	254	32	11	-	22
Retirements and disposition of depreciable assets -----	594	(NA)	(NA)	(NA)	9	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	61 541	20 734	22 856	(NA)	5	6	2	(NA)
Depreciation charges during year -----	2 919	922	923	(NA)	9	8	4	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	149 148	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	15 674	12 211	(D)	6 484	4	6	-	4
New machinery and equipment, including automobiles and trucks -----	12 734	10 088	29 862	5 310	4	3	1	3
New automobiles and trucks, intended primarily for highway use -----	5 624	4 959	(NA)	(NA)	8	5	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	2 939	2 123	(D)	1 174	7	9	-	6
Retirements and disposition of depreciable assets -----	7 878	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	156 944	102 126	57 057	(NA)	3	2	2	(NA)
Depreciation charges during year -----	20 155	9 568	6 529	(NA)	5	2	3	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	1 391	4
Total construction receipts	1 497 170	1
Establishments with inventories:		
Number	367	15
Total construction receipts	855 589	2
Inventories¹:		
End of 1982, total	24 424	7
Value for establishments with LIFO reserve	*120	65
Amount of LIFO reserve	(S)	-
Value for establishments with no LIFO reserve	24 304	7
End of 1981, total	17 021	5
Value for establishments with LIFO reserve	*90	61
Amount of LIFO reserve	(S)	-
Value for establishments with no LIFO reserve	16 931	5
Establishments with no inventories:		
Number	1 024	4
Total construction receipts	641 581	3

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Establishments with an average of—									
	Total	1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1982										
Number of establishments	1 391	815	259	176	98	25	15	1	1	1
All employees**	15 618	1 691	1 677	2 406	3 021	1 540	2 298	2 984	(D)	(D)
Payroll, all employees	296 027	16 654	20 331	34 865	53 409	32 723	50 490	87 553	(D)	(D)
Construction worker hours (thousands)	23 080	2 150	2 041	2 907	4 000	2 453	3 919	5 608	(D)	(D)
All business receipts	1 530 449	76 443	97 907	141 371	1 214 728	(D)	(D)	(D)	(D)	(D)
Total construction receipts	1 497 170	75 274	96 175	139 156	199 196	147 525	839 843	(D)	(D)	(D)
Net construction receipts†	1 065 262	61 857	87 836	105 826	153 822	88 392	134 518	433 010	(D)	(D)
Value added††	602 031	36 791	53 921	65 470	99 697	55 103	291 047	(D)	(D)	(D)
Payments for materials, components, supplies, and fuels	492 511	25 879	35 229	41 719	56 240	333 443	(D)	(D)	(D)	(D)
Payments for construction work subcontracted to others	431 908	13 417	8 339	33 330	45 374	59 133	272 315	(D)	(D)	(D)
Rental payments for machinery, equipment, and structures	15 132	683	952	1 212	2 628	2 171	7 485	(D)	(D)	(D)
Capital expenditures, other than land	17 989	1 398	2 008	2 693	2 719	3 176	5 994	(D)	(D)	(D)
End-of-year gross book value of depreciable assets	218 485	16 178	24 476	23 658	59 482	31 933	62 757	(D)	(D)	(D)
1977										
All employees**	17 826	1 857	1 938	2 896	3 101	1 331	951	5 752	-	(D)
Total construction receipts	1 067 681	56 881	60 416	112 064	146 721	69 248	44 976	577 376	-	(D)
Value added††	402 371	27 604	33 329	57 984	76 946	26 420	180 087	(D)	-	(D)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	2	6	10	8	5	(W)	(W)	(W)	-	-
Net construction receipts†	1	7	10	8	4	(W)	(W)	(W)	-	-
Capital expenditures, other than land	4	16	27	20	2	(W)	(W)	-	-	-

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments	1 391	(S)	123	311	349	153	131	99	36	16	17
All employees**	15 618	(S)	280	769	1 490	1 267	1 596	2 567	1 380	1 464	4 622
Payroll, all employees	296 027	(S)	1 408	5 460	15 864	16 387	24 937	45 784	27 633	32 900	125 036
Construction worker hours (thousands)	23 080	(S)	266	893	1 752	1 570	2 175	3 410	2 036	2 462	8 352
All business receipts	1 530 449	(S)	4 665	21 603	55 073	56 238	91 091	160 401	1 139 553	(D)	(D)
Total construction receipts	1 497 170	(S)	4 619	21 334	54 488	55 494	89 332	157 814	125 525	104 036	882 715
Net construction receipts†	1 065 262	(S)	4 226	19 327	49 324	48 922	76 571	131 525	90 737	82 858	560 122
Value added††	602 031	(S)	2 439	11 764	29 652	30 570	44 905	90 357	53 967	55 402	282 025
Payments for materials, components, supplies, and fuels	492 511	(S)	1 803	7 757	20 171	19 096	32 915	42 910	38 049	28 959	300 143
Payments for construction work subcontracted to others	431 908	(S)	393	2 007	5 164	6 572	12 761	26 288	34 788	21 178	322 593
Rental payments for machinery, equipment, and structures	15 132	(S)	59	120	695	489	846	2 120	1 844	3 934	5 002
Capital expenditures, other than land	17 989	(S)	*99	591	813	1 788	1 714	2 766	1 929	4 156	4 095
End-of-year gross book value of depreciable assets	218 485	(S)	1 355	4 066	13 514	15 283	18 471	47 761	27 801	32 244	57 507
1977											
All employees**	17 826	(S)	577	963	1 774	1 832	2 438	2 086	1 029	16 806	(NA)
Total construction receipts	1 067 681	(S)	8 668	24 621	52 755	58 646	82 847	91 145	70 069	1675 314	(NA)
Value added††	402 371	(S)	4 718	13 478	28 831	34 113	44 739	46 795	30 694	1197 259	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	2	-	25	12	12	11	9	6	(W)	(W)	(W)
Net construction receipts†	1	-	17	10	9	11	11	7	(W)	(W)	(W)
Capital expenditures, other than land	4	-	64	29	21	25	26	9	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

*Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair			
	A	B	C	A	B	C
1982						
Total construction receipts†	1 497 170	1 270 244	226 925	1	1	3
Building construction	607 598	499 821	107 776	2	2	4
Single-family houses	158 026	123 223	34 802	6	7	8
Single-family houses, detached	123 914	94 681	29 232	7	8	9
Single-family houses, attached	34 111	28 542	5 569	9	11	11
Apartment buildings with two or more apartments	29 837	20 677	9 160	10	10	22
Other residential buildings	5 517	3 499	2 017	10	9	16
Office and bank buildings	110 712	96 977	13 735	4	5	6
Office buildings	97 038	86 839	10 198	5	5	6
Bank buildings and other financial institutions	13 674	10 137	3 536	5	3	13
Industrial buildings and warehouses	153 574	127 817	25 757	4	3	7
Industrial buildings	134 756	113 264	21 492	4	4	8
Warehouses	18 818	14 553	4 264	8	7	10
Stores, restaurants, public garages, and automobile service stations	35 907	30 772	5 135	4	3	9
Religious buildings	9 961	4 577	5 384	3	6	3
Educational buildings	37 903	32 849	5 054	12	14	3
Hospitals and institutional buildings	56 708	51 812	4 895	1	(W)	14
Amusement, social, and recreational buildings	3 409	2 480	928	8	9	19
Other nonresidential buildings	9 453	7 618	1 837	31	33	18
Nonbuilding construction	783 371	684 864	98 506	1	1	2
Highways, streets, and related facilities	73 079	50 520	22 559	6	6	10
Bridges, tunnels, and elevated highways	29 774	26 010	3 764	(W)	(W)	(W)
Power and communication transmission lines, towers, and related facilities	12 525	(D)	(D)	(W)	-	-
Sewers, water mains, and related facilities	50 025	48 051	1 973	4	4	12
Sewers, sewer lines, and related facilities	32 114	31 016	1 098	7	6	20
Water mains and related facilities	17 910	17 034	875	1	1	11
Sewage treatment and water treatment plants	25 894	(D)	(D)	5	-	-
Heavy industrial facilities	571 139	(D)	(D)	(W)	-	-
Other nonbuilding construction	20 935	13 009	7 926	27	33	19
Construction work, n.s.k.	106 200	85 558	20 642	3	4	4
1977						
Total construction receipts†	1 067 681	923 459	144 223	1	1	3
Building construction	405 745	313 731	92 014	2	2	4
Single-family houses	150 831	116 181	34 650	4	5	8
Apartment buildings with two or more apartments	14 497	10 928	3 569	11	13	21
Other residential buildings	4 886	3 201	1 685	8	10	13
Office and bank buildings	29 713	25 260	4 453	2	2	8
Industrial buildings and warehouses	108 407	87 163	21 244	2	2	5
Stores, restaurants, public garages, and automobile service stations	23 155	13 081	10 074	10	7	21
Religious buildings	(D)	(D)	(D)	-	-	-
Educational buildings	26 011	19 746	6 265	5	5	14
Hospitals and institutional buildings	27 221	22 880	4 341	4	3	17
Other nonresidential buildings	(D)	(D)	(D)	-	-	-
Nonbuilding construction	624 463	575 521	48 942	(W)	(W)	1
Highways, streets, and related facilities	41 547	33 867	7 680	2	2	2
Bridges, tunnels, and elevated highways	(D)	(D)	(D)	-	-	-
Power and communication transmission lines, towers, and related facilities	(D)	(D)	(D)	-	-	-
Sewers, water mains, and related facilities	32 024	29 988	2 036	2	1	13
Other nonbuilding construction	521 342	485 489	35 853	(W)	(W)	1
Construction work, n.s.k.	37 481	34 157	3 324	4	4	7

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and subdividers and developers-----	1 391	13 086	23 090	11 924	5 157	13 880	6 117
15,16,17	Construction industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses-----	243	921	1 432	838	329	906	342
1522	Other residential buildings-----	19	110	190	135	60	119	52
1531	Operative builders-----	39	297	465	229	90	306	112
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses-----	29	509	949	430	195	478	223
1542	Nonresidential buildings, n.e.c.-----	55	502	844	476	187	519	214
16	Heavy construction general contractors:							
1611	Highway and street construction-----	40	872	1 595	541	210	937	436
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction-----	3	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines-----	16	581	1 283	500	272	623	344
1629	Heavy construction, n.e.c.-----	26	1 290	(D)	1 414	(D)	1 542	(D)
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning-----	203	2 818	4 920	2 680	1 240	3 218	1 344
1721	Painting, paper hanging, and decorating-----	77	328	411	276	87	325	101
1731	Electrical work-----	134	1 065	1 700	959	374	1 007	413
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework-----	96	654	838	620	160	655	215
1742	Plastering, drywall, and insulation work-----	41	502	790	422	174	563	213
1743	Terrazzo, tile, marble, and mosaic work-----	11	45	77	44	18	39	19
175	Carpentering and flooring:							
1751	Carpentering-----	125	363	580	327	128	384	153
1752	Floor laying and other floorwork-----	*12	66	96	73	24	57	22
1761	Roofing and sheet metal work-----	57	754	1 214	702	264	748	314
1771	Concrete work-----	43	518	1 142	339	177	524	285
1781	Water well drilling-----	6	36	(D)	38	(D)	40	(D)
179	Miscellaneous special trade contractors:							
1791	Structural steel erection-----	6	129	232	153	65	128	60
1793	Glass and glazing work-----	*5	(S)	(S)	(S)	(S)	(S)	(S)
1794	Excavating and foundation work-----	34	343	775	336	161	381	221
1795	Wrecking and demolition work-----	2	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.-----	14	127	219	132	54	114	53
1799	Special trade contractors, n.e.c.-----	52	210	339	208	56	225	87
6552	Subdividers and developers, n.e.c.-----	-	-	-	-	-	-	-

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
13 378	6 067	12 734	5 738	2	2	2	2	2	2	2	2	2	2	15,16,17
992 100	388 42	923 81	370 34	12 2	11 3	13 2	14 3	12 2	13 3	12 2	14 4	12 3	14 5	152 1521 1522
318	128	323	133	13	9	19	18	10	11	10	11	13	11	1531
523 512	257 226	592 483	272 214	6 13	6 14	8 12	9 15	8 13	7 15	7 13	6 15	5 14	5 17	154 1541 1542
1 012	497	991	451	5	6	7	9	5	5	5	5	6	6	16 1611 162
(D) 632 1 137	(D) 363 (D)	(D) 566 1 058	(D) 303 (D)	- 4 1	- 4 -	- 4 1	- 4 -	- 4 (W)	- 4 -	- 5 (W)	- 5 -	- 5 (W)	- 6 -	1622 1623 1629
2 711	1 200	2 581	1 135	2	2	2	3	2	3	2	3	3	4	17 1711
384	121	287	100	14	12	15	18	16	17	15	16	13	17	1721
1 158	481	1 065	431	13	10	13	12	12	12	14	11	12	11	1731 174
642 531 47	231 205 20	682 475 40	231 197 19	15 7 22	14 7 24	16 7 24	18 7 30	16 7 24	17 7 29	15 8 21	17 9 29	15 8 22	17 29	1741 1742 1743
325 65	146 24	367 68	151 25	18 31	20 31	21 32	27 38	18 32	24 36	18 31	24 37	19 31	24 38	175 1751 1752
810	331	738	304	8	8	8	10	8	9	9	10	8	10	1761
619	345	595	334	9	7	11	8	11	10	9	8	9	8	1771
32	(D)	32	(D)	14	-	16	-	15	-	11	-	14	-	1781
103 (S) 337 (D) 128 218	47 (S) 206 (D) 59 83	127 (S) 310 (D) 125 185	59 (S) 186 (D) 51 111	(W) - 14 - 21	(W) - 13 - 19	(W) - 17 - 25	(W) - 15 - 24	(W) - 14 - 20	(W) - 15 - 22	(W) - 11 - 19	(W) - 12 - 19	(W) - 13 - 22	(W) - 15 - 37	179 1791 1793 1794 1795 1796 1799
-	-	-	-	-	-	-	-	-	-	-	-	-	-	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers	11.2	19.0	1.8	114.4	.198	.329	.288	.012	.010
15,16, 17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses	4.5	10.4	1.6	71.6	.174	.276	.269	.009	.007
1522	Other residential buildings	11.1	13.9	1.7	141.7	.188	.254	.433	.005	.006
1531	Operative builders	9.9	18.4	1.6	131.6	.181	.229	.438	.014	.005
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses	21.6	17.5	1.9	129.0	.167	.230	.515	.009	.005
1542	Nonresidential buildings, n.e.c.	12.3	18.3	1.7	196.7	.125	.158	.625	.010	.009
16	Heavy construction general contractors:									
1611	Highway and street construction	26.9	19.3	1.8	105.5	.227	(D)	.154	.038	.030
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	40.3	17.7	2.2	57.7	.340	(D)	.070	.095	.021
1629	Heavy construction, n.e.c.	52.6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning	16.5	22.8	1.7	54.4	.498	.219	.082	.008	.013
1721	Painting, paper hanging, and decorating	4.7	12.4	1.3	33.6	.407	.258	.033	.008	.018
1731	Electrical work	9.4	20.4	1.6	57.6	.417	.339	.017	.009	.008
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework	8.3	12.0	1.3	39.9	.364	(D)	.038	.024	.012
1742	Plastering, drywall, and insulation work	14.4	17.0	1.6	57.1	.350	.391	.043	.019	.005
1743	Terrazzo, tile, marble, and mosaic work	5.5	19.5	1.7	68.4	.387	.320	.062	.008	.002
175	Carpentering and flooring:									
1751	Carpentering	3.3	11.6	1.6	47.5	.275	.347	.172	.011	.006
1752	Floor laying and other floorwork	*7.6	15.4	1.5	58.2	.366	.434	(S)	*.038	.026
1761	Roofing and sheet metal work	15.3	17.1	1.6	59.7	.331	.390	.026	.028	.008
1771	Concrete work	14.1	18.1	2.2	78.0	.271	.266	.186	.012	.017
1781	Water well drilling	8.3	14.1	(D)	61.0	.321	.505	(D)	.034	.011
179	Miscellaneous special trade contractors:									
1791	Structural steel erection	25.0	29.7	1.8	(D)	(D)	(D)	(D)	(D)	(D)
1793	Glass and glazing work	(S)	(S)	(S)	(S)	(S)	(D)	(D)	(S)	(D)
1794	Excavating and foundation work	12.0	16.9	2.3	68.6	.293	.201	.134	.054	(D)
1795	Wrecking and demolition work	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	11.0	18.9	1.7	67.9	.337	.316	.128	.001	.010
1799	Special trade contractors, n.e.c.	5.7	14.5	1.6	56.3	.365	(D)	.019	.018	.019
6552	Subdividers and developers, n.e.c.	-	-	-	-	-	-	-	-	-

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	PHILADELPHIA-WILMINGTON-TRENTON, PA.-DEL.-N.J.-MD., SCSA											
	Construction Industries and subdividers and developers	9 537	99 394	2 011 096	7 787 014	5 823 418	3 808 173	2 279 790	1 963 596	100 045	1	1
15,16, 17	Construction Industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	1 369	6 139	71 095	400 183	286 793	167 819	128 933	113 390	4 490	5	5
1522	Other residential buildings	118	627	9 543	56 444	27 437	15 763	12 070	29 007	328	7	7
1531	Operative builders	218	1 628	25 995	202 010	113 802	78 013	37 983	88 208	2 274	6	6
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	188	2 637	53 796	280 232	143 215	82 685	62 689	137 017	2 651	5	4
1542	Nonresidential buildings, n.e.c.	388	6 527	143 526	1 170 646	397 777	280 970	124 106	772 869	6 184	2	2
16	Heavy construction general contractors:											
1611	Highway and street construction	188	4 576	92 221	443 144	356 762	239 758	178 872	86 383	18 749	2	1
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	9	225	5 386	18 264	(D)	9 700	3 142	(D)	167	3	-
1623	Water, sewer, and utility lines	125	5 080	122 991	337 957	301 815	234 307	69 599	36 142	11 293	1	1
1629	Heavy construction, n.e.c.	100	10 513	307 868	1 414 406	990 043	604 457	(D)	424 363	7 639	1	(W)
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	1 497	14 362	311 078	912 651	799 927	489 102	318 392	112 724	10 107	2	2
1721	Painting, paper hanging, and decorating	543	4 327	72 897	163 059	154 914	120 690	34 820	8 145	3 420	4	3
1731	Electrical work	842	8 341	181 638	548 923	533 571	288 260	249 192	15 352	5 681	3	2
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	466	3 629	59 794	159 294	154 959	105 377	49 695	4 335	2 214	4	4
1742	Plastering, drywall, and insulation work	288	3 529	70 021	191 674	181 915	121 997	(D)	9 759	1 914	4	3
1743	Terrazzo, tile, marble, and mosaic work	81	442	7 395	23 415	22 932	13 960	9 121	483	*107	12	9
175	Carpentering and flooring:											
1751	Carpentering	789	3 674	44 680	148 231	130 530	82 229	49 616	17 701	1 234	5	4
1752	Floor laying and other floorwork	164	884	13 913	50 123	47 918	24 950	24 339	2 205	811	9	9
1761	Roofing and sheet metal work	660	5 669	98 633	295 777	283 404	179 580	108 447	12 373	5 002	4	3
1771	Concrete work	471	3 817	59 407	207 222	189 876	126 760	66 764	17 346	2 244	6	4
1781	Water well drilling	30	209	3 821	14 949	(D)	8 417	5 639	(D)	220	13	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	87	1 725	38 989	97 486	85 086	73 821	12 870	12 400	1 463	5	4
1793	Glass and glazing work	65	759	12 892	38 237	37 339	21 985	17 928	898	515	6	8
1794	Excavating and foundation work	343	3 200	50 612	189 655	155 374	113 143	45 470	34 281	6 852	4	4
1795	Wrecking and demolition work	24	367	7 622	23 859	21 920	23 140	2 714	1 939	497	3	3
1796	Installing building equipment, n.e.c.	109	4 049	104 623	272 737	264 762	223 073	45 099	7 975	1 299	2	1
1799	Special trade contractors, n.e.c.	340	2 321	38 225	120 355	112 446	76 248	41 507	7 910	2 403	6	5
6552	Subdividers and developers, n.e.c.	41	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
	WILMINGTON, DEL.-N.J.-MD., SMSA											
	Construction Industries and subdividers and developers	1 061	12 906	261 464	1 340 005	938 595	530 056	434 907	401 411	14 657	2	1
15,16, 17	Construction Industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	174	713	7 952	48 671	37 135	25 104	12 433	11 536	412	12	19
1522	Other residential buildings	12	148	(D)	10 786	(D)	3 251	2 635	(D)	(D)	3	-
1531	Operative builders	22	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	19	500	9 263	56 724	27 430	14 439	13 538	29 294	451	6	5
1542	Nonresidential buildings, n.e.c.	39	464	9 660	75 362	26 282	15 504	11 025	49 080	456	7	9

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	WILMINGTON, DEL.-N.J.-MD., SMSA—Con.											
15,16, 17	Construction industries—Con.											
16	Heavy construction general contractors:											
1611	Highway and street construction -----	36	1 127	21 417	94 773	77 982	62 759	(D)	16 791	3 171	5	3
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction -----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1623	Water, sewer, and utility lines -----	14	(D)	(D)	(D)	(D)	(D)	(D)	1 610	(D)	-	-
1629	Heavy construction, n.e.c. -----	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning -----	159	2 944	71 159	131 783	121 473	100 050	22 520	10 311	877	3	4
1721	Painting, paper hanging, and decorating -----	66	314	4 900	12 249	11 823	9 010	2 884	426	86	10	8
1731	Electrical work -----	81	830	19 297	42 819	41 890	25 660	16 254	930	390	8	6
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework -----	56	410	5 237	15 037	14 245	9 191	(D)	792	340	17	14
1742	Plastering, drywall, and insulation work -----	36	463	8 212	22 239	(D)	13 253	(D)	(D)	(D)	10	-
1743	Terrazzo, tile, marble, and mosaic work -----	*10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
175	Carpentering and flooring:											
1751	Carpentering -----	115	378	4 531	15 478	12 923	7 683	(D)	2 555	*239	19	19
1752	Floor laying and other floorwork -----	5	54	950	2 681	(D)	1 685	1 152	(D)	*147	37	-
1761	Roofing and sheet metal work -----	57	808	13 738	41 509	40 349	24 628	(D)	1 160	1 250	9	7
1771	Concrete work -----	42	626	11 130	40 435	32 852	22 239	(D)	7 583	(D)	10	9
1781	Water well drilling -----	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1793	Glass and glazing work -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1794	Excavating and foundation work -----	43	372	6 074	22 259	20 016	15 761	4 363	2 243	1 324	15	7
1795	Wrecking and demolition work -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c. -----	12	125	2 485	6 909	(D)	4 062	1 912	(D)	-	14	-
1799	Special trade contractors, n.e.c. -----	34	223	4 199	11 301	11 006	6 753	(D)	295	190	13	13
6552	Subdividers and developers, n.e.c. ---	-	-	-	-	-	-	-	-	-	-	-

District of Columbia

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SUMMARY OF FINDINGS

During 1982, 1,268 establishments in the District of Columbia operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$790 million.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 829 establishments in this State with no payroll accounted for about 11 percent of all business receipts for all construction establishments in the District of Columbia. On the other hand, 439 establishments classified as "employers" accounted for 89 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$704 million, of which \$645 million were receipts for construction work. These establishments paid \$266 million for construction work subcontracted to others, leaving net construction receipts of about \$379 million. Value added for these establishments amounted to \$277 million. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in the District of Columbia paid \$143 million for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$8.2 million were also made for selected power,

fuels, and lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in the District of Columbia was 7.5 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 2.1 million hours, while hours worked during the third quarter were 2.4 million hours.

Total payroll for 1982 was \$149 million. Payments of \$27.2 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for the District of Columbia are based on a sample of about 250 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
			Proprietors and working partners	All employees**	All business receipts		Proprietors and working partners	All business receipts		Proprietors and working partners	All employees**	All business receipts		
		Number				Number			Number					
		A	B	C	D	E	F	G	H	I	J	K	J	K
15,16, 17	1982													
	Construction industries and subdividers and developers -----	1 268	864	7 461	789 566	829	826	85 948	439	38	7 461	703 618	2	2
	Construction industries¹ -----	1 190	779	7 331	719 413	770	741	23 945	420	38	7 331	695 468	2	2
	General building contractors and operative builders -----	352	165	3 062	457 665	167	150	9 720	185	15	3 062	447 945	3	2
	Heavy construction, general contractors ..	34	20	585	47 393	21	20	1 125	13	-	585	46 268	5	(W)
	Special trade contractors -----	804	594	3 684	214 355	582	571	13 100	222	23	3 684	201 255	3	3
	Plumbing, heating, and air conditioning----	103	38	1 043	(D)	34	33	897	69	5	1 043	(D)	6	-
	Electrical work -----	70	37	846	51 368	39	36	1 529	31	1	846	49 839	4	4
	Subdividers and developers, n.e.c.² -----	76	85	(S)	70 153	59	85	62 003	17	(S)	(S)	(S)	-	-
	1977													
15,16, 17	Construction industries and subdividers and developers -----	1 147	804	11 061	705 453	616	616	28 796	531	188	11 061	676 657	1	1
	Construction industries¹ -----	1 106	760	10 938	(D)	595	585	(D)	511	175	10 938	664 655	1	1
	General building contractors and operative builders -----	344	186	4 086	328 799	141	127	6 907	203	59	4 086	321 892	3	2
	Heavy construction, general contractors ..	41	32	2 162	(D)	7	7	(D)	34	25	2 162	140 540	(W)	(W)
	Special trade contractors -----	721	542	4 690	212 547	447	451	10 324	274	91	4 690	202 223	2	2
	Plumbing, heating, and air conditioning----	88	33	1 391	(D)	25	26	707	63	7	1 391	(D)	3	-
	Electrical work -----	62	35	1 328	(D)	31	31	(D)	31	4	1 328	65 662	4	4
	Subdividers and developers, n.e.c.² -----	43	44	(S)	23 458	21	31	11 453	22	13	(S)	(S)	-	-

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1982													
The State	1 268	864	7 461	789 566	829	826	85 948	439	38	7 461	703 618	2	2
\$10,000,000 or more	11	—	2 505	(D)	—	—	—	11	—	2 505	(D)	(W)	—
\$5,000,000 to \$9,999,999	17	4	1 248	(D)	3	4	21 394	14	—	1 248	(D)	(W)	—
\$2,500,000 to \$4,999,999	23	6	892	(D)	4	6	14 658	19	—	892	(D)	(W)	—
\$1,000,000 to \$2,499,999	61	22	931	668 387	12	22	16 999	49	—	931	615 336	8	2
\$500,000 to \$999,999	69	19	792	46 848	12	17	8 999	57	*2	792	37 849	10	12
\$250,000 to \$499,999	102	31	538	36 734	20	26	7 218	82	5	538	29 516	16	15
\$100,000 to \$249,999	120	40	342	19 047	34	35	5 003	86	5	342	14 044	21	19
\$50,000 to \$99,999	129	68	158	18 550	56	47	3 895	73	*21	158	6 873	20	21
\$25,000 to \$49,999	101	82	*10	(D)	92	82	3 090	*9	—	*10	(D)	45	—
Less than \$25,000	635	592	(S)	(D)	596	587	4 692	39	*5	(S)	(D)	—	—
\$10,000 to \$24,999	(NA)	(NA)	(NA)	(NA)	218	210	3 303	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	124	124	850	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999	(NA)	(NA)	(NA)	(NA)	149	147	434	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500	(NA)	(NA)	(NA)	(NA)	105	106	105	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977													
The State	1 147	804	11 061	705 453	616	616	28 796	531	188	11 061	676 657	4	2
\$10,000,000 or more	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 ²	32	12	5 467	407 787	—	—	—	32	12	5 467	407 787	7	3
\$2,500,000 to \$4,999,999	26	7	1 156	90 496	3	5	11 099	23	2	1 156	79 397	1	3
\$1,000,000 to \$2,499,999	60	13	1 498	(D)	1	2	(D)	59	11	1 498	93 740	4	5
\$500,000 to \$999,999	67	11	1 186	142 177	4	6	4 176	63	5	1 186	44 261	8	9
\$250,000 to \$499,999	89	35	774	32 792	8	12	2 986	81	23	774	29 806	10	14
\$100,000 to \$249,999	119	61	579	18 444	20	18	3 043	99	43	579	15 401	14	13
\$50,000 to \$99,999	95	61	183	6 319	37	32	2 453	58	29	183	3 866	28	26
\$25,000 to \$49,999	78	56	99	2 804	45	42	1 567	33	14	*99	1 237	43	28
Less than \$25,000	582	549	(S)	4 635	498	499	3 472	(S)	(S)	(S)	(S)	—	—
\$10,000 to \$24,999	193	191	(S)	3 288	140	141	2 125	(S)	(S)	(S)	(S)	—	—
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	126	128	870	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999	(NA)	(NA)	(NA)	(NA)	148	146	418	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500	(NA)	(NA)	(NA)	(NA)	84	84	59	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers -----	439	7 461	5 648	148 695	100 008	9 208	645 082	379 381
15,16, 17	Construction industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	99	616	446	8 979	6 060	724	41 209	24 197
1522	Other residential buildings -----	13	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1531	Operative builders -----	28	480	256	10 524	3 931	373	150 716	20 407
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	8	(S)	(S)	(S)	(S)	(S)	(S)	(D)
1542	Nonresidential buildings, n.e.c. -----	37	1 692	1 369	36 612	23 125	2 064	277 256	93 446
16	Heavy construction general contractors:								
1611	Highway and street construction -----	7	350	286	7 673	5 383	520	27 226	21 075
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines -----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1629	Heavy construction, n.e.c. -----	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning -----	69	1 043	792	19 373	12 615	1 156	62 795	58 260
1721	Painting, paper hanging, and decorating -----	20	222	199	4 157	3 581	312	8 757	8 421
1731	Electrical work -----	31	846	614	19 438	13 924	1 066	48 420	48 022
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	9	(S)	(S)	(S)	(S)	(S)	(S)	(D)
1742	Plastering, drywall, and insulation work -----	6	218	198	6 068	5 203	361	14 271	13 430
1743	Terrazzo, tile, marble, and mosaic work -----	*2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
175	Carpentering and flooring:								
1751	Carpentering -----	8	116	97	1 578	1 283	164	5 309	3 529
1752	Floor laying and other floorwork -----	7	(D)	*38	(D)	545	43	(D)	(D)
1761	Roofing and sheet metal work -----	26	389	345	8 550	7 662	568	19 734	19 277
1771	Concrete work -----	*3	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1781	Water well drilling -----	-	-	-	-	-	-	-	-
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1793	Glass and glazing work -----	*7	88	75	1 963	1 419	139	5 844	(D)
1794	Excavating and foundation work -----	*5	(D)	115	(D)	1 506	132	6 154	(D)
1795	Wrecking and demolition work -----	3	(D)	(D)	(D)	202	16	1 338	(D)
1796	Installing building equipment, n.e.c. -----	7	87	66	2 269	1 564	125	6 136	(D)
1799	Special trade contractors, n.e.c. -----	*18	(S)	(S)	(S)	(S)	(S)	(S)	(D)
6552	Subdividers and developers, n.e.c. -----	17	(S)	(S)	(S)	(S)	(S)	(S)	(S)

†Land receipts for SIC 1531 were \$6,464.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
277 143	151 501	265 701	9 433	11 559	138 369	11 061	646 044	275 478	2	2	1	15,16, 17
13 197 (S)	11 750 (D)	17 012 (S)	116 (D)	133 (D)	3 281 (D)	588 392	33 794 13 815	9 355 4 819	11 -	16 -	10 -	152 1521 1522
12 079 (S)	(D)	30 309 (D)	(D)	1 113 (D)	27 639 (S)	1 574 (D)	74 002 (D)	24 049 (D)	13 -	18 -	3 -	1531 154 1541 1542
98 976 (D)	(D)	183 810 (D)	2 138 (D)	379 (D)	16 121 (D)	1 529 (D)	181 614 (D)	45 473 (D)	1 -	1 -	(W)	16
15 017 (D)	6 203 (D)	6 151 (D)	2 336 (D)	807 (D)	7 765 (D)	649 (D)	26 582 (D)	12 016 (D)	(W)	(W)	(W)	1611 162 1622 1623 1629
(D)	(D)	(D)	(D)	(D)	(D)	341 (D)	20 707 (D)	11 032 (D)	-	-	-	17
(D)	(D)	(D)	(D)	(D)	(D)	1 022 (D)	72 512 (D)	38 899 (D)	-	-	-	1711
33 675 (D)	(D)	4 534 (D)	705 (D)	727 (D)	8 974 (D)	1 391 (D)	66 108 (D)	40 440 (D)	6 -	5 -	4 -	1721
6 741 (D)	(D)	336 (D)	62 (D)	127 (D)	966 (D)	269 (D)	5 138 (D)	3 818 (D)	13 -	8 -	3 -	1731
27 165 (S)	22 275 (S)	398 (D)	619 (S)	312 (S)	5 055 (S)	1 328 (S)	64 026 (S)	39 110 (S)	4 -	4 -	(W)	174 1741 1742 1743
9 016 (D)	4 413 (D)	841 (D)	178 (D)	41 (D)	504 (D)	228 209 89	4 300 8 201 2 778	2 879 5 464 1 964	- (W)	- (W)	- (W)	175 1751 1752
2 108 1 914	1 441 (D)	1 780 (D)	90 -	69 22	670 826	(D) 92	2 029 2 702	1 430 1 726	34 -	32 -	35 (W)	1761
14 200 (D)	5 091 (D)	457 (D)	361 (D)	22 (D)	2 733 (D)	154 (S)	4 103 (S)	3 088 (S)	12 -	7 -	(W)	1771
- (D)	- (D)	- (D)	- (D)	- (D)	- (D)	-	-	-	-	-	-	1781
3 799 3 510 1 065 4 213 (S)	2 026 (D) 240 (S)	(D) (D) (D) (D)	(D) (D) (D) (D)	(D) 30 (D) 64 (D) 57 (D)	(D) 10 (D) 34 (D) 418 (S)	- 151 68 103 246 211	- 7 336 3 493 4 364 14 810 6 339	- 4 369 2 326 2 668 9 710 4 137	- 25 - - (W)	- - - - -	- (W) - - -	179 1791 1793 1794 1795 1796 1799
(S)	(S)	(S)	(S)	(D)	(D)	(S)	(S)	(S)	-	-	-	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	439	531	630	758	7	8	7	7
Number of establishments in business at end of year	431	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
Proprietors and working partners	38	188	192	309	26	19	13	16
All employees**	7 461	11 061	13 976	19 194	2	4	1	1
Construction workers:								
March	5 381	8 302	10 589	15 660	2	3	1	1
May	5 975	9 072	11 350	17 034	2	4	1	1
August	5 778	9 352	12 059	17 361	2	4	1	1
November	5 358	9 085	12 324	15 649	2	5	1	1
Average	5 648	8 958	11 639	16 481	2	4	1	1
Other employees:								
March	1 810	2 079	2 221	2 622	2	4	4	2
Construction worker hours (thousands):								
January to March	2 085	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
April to June	2 448	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
July to September	2 388	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
October to December	2 286	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Total hours worked	9 208	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Payroll, all employees	148 695	155 244	154 175	134 573	2	2	1	1
Payroll, construction workers	100 008	117 871	121 897	106 480	2	2	1	1
Payroll, other employees	48 686	37 373	32 278	28 029	2	2	2	1
First quarter payroll, all employees	36 457	34 971	(NA)	(NA)	2	2	(NA)	(NA)
Employer costs for fringe benefits	27 161	29 823	(NA)	(NA)	2	2	(NA)	(NA)
Legally required expenditures	19 559	17 158	(NA)	(NA)	2	2	(NA)	(NA)
Voluntary expenditures	7 602	12 665	(NA)	(NA)	2	1	(NA)	(NA)
All business receipts	703 618	676 657	549 425	615 417	2	2	1	2
Total construction receipts	645 082	646 044	540 677	590 353	2	2	1	2
Receipts for work subcontracted in from others	134 766	120 733	111 125	118 799	2	1	1	1
Land receipts ¹	9 272	(NA)	(NA)	(NA)	9	(NA)	(NA)	(NA)
Other business receipts	49 264	30 613	8 748	25 079	1	4	8	2
Net construction receipts†	379 381	430 975	358 114	337 895	2	2	1	1
Value added††	277 143	275 478	235 528	210 290	2	1	1	1
Selected payments	417 202	391 980	312 665	395 368	2	2	1	2
Materials, components, and supplies ²	143 334	167 543	130 102	142 929	2	3	1	1
Construction work subcontracted to others	265 701	215 069	182 563	252 456	2	2	1	3
Selected power, fuels, and lubricants	8 167	9 369	(NA)	(NA)	2	2	(NA)	(NA)
Electricity	1 354	1 993	(NA)	(NA)	4	3	(NA)	(NA)
Natural gas	750	781	(NA)	(NA)	4	4	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	5 362	5 072	(NA)	(NA)	3	2	(NA)	(NA)
Other, including lubricating oils and greases	700	1 523	(NA)	(NA)	2	4	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	105	(NA)	(NA)	(NA)	(W)	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	9 433	9 865	(NA)	(NA)	3	2	(NA)	(NA)
For machinery and equipment	6 950	8 550	6 436	4 421	3	2	1	3
For structures	2 483	1 315	(NA)	(NA)	4	3	(NA)	(NA)
Selected purchased services	6 876	7 921	(NA)	(NA)	3	2	(NA)	(NA)
Communication services	2 064	1 812	(NA)	(NA)	4	2	(NA)	(NA)
Repairs to structures and related facilities	705	619	(NA)	(NA)	3	14	(NA)	(NA)
Repairs to machinery and equipment	4 106	5 490	(NA)	(NA)	2	1	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	645 082	646 044	540 677	590 353	2	2	1	2
Government owned	150 563	294 512	232 943	176 080	6	1	1	2
Privately owned	494 518	351 532	307 734	414 273	3	3	2	2

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	129 679	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	11 559	8 447	8 284	5 817	1	5	1	2
New -----	9 938	6 816	6 094	5 146	1	6	1	3
Used -----	1 620	1 631	2 190	671	3	7	1	4
Retirements and disposition of depreciable assets -----	2 869	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	138 369	60 546	49 505	(NA)	2	2	2	(NA)
Depreciation charges during year -----	10 621	6 294	5 201	(NA)	2	2	2	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	76 616	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	(D)	2 134	(D)	2 582	-	20	-	2
New structures and related facilities -----	(D)	1 541	309	2 078	-	22	19	2
Used structures and related facilities -----	(D)	593	(D)	504	-	18	-	3
Retirements and disposition of depreciable assets -----	(D)	(NA)	(NA)	(NA)	-	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	83 115	17 331	13 312	(NA)	1	3	5	(NA)
Depreciation charges during year -----	3 495	964	721	(NA)	2	5	2	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	53 062	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	(D)	6 313	(D)	3 235	-	3	-	8
New machinery and equipment, including automobiles and trucks -----	(D)	5 275	5 785	3 068	-	3	1	4
New automobiles and trucks, intended primarily for highway use -----	(D)	2 035	(NA)	(NA)	-	4	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	(D)	1 038	(D)	167	-	4	-	12
Retirements and disposition of depreciable assets -----	(D)	(NA)	(NA)	(NA)	-	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	55 254	43 215	36 193	(NA)	3	2	1	(NA)
Depreciation charges during year -----	7 126	5 330	4 480	(NA)	3	2	2	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	439	7
Total construction receipts	645 082	2
Establishments with inventories:		
Number	151	20
Total construction receipts	159 137	3
Inventories¹:		
End of 1982, total	9 209	11
Value for establishments with LIFO reserve	*214	44
Amount of LIFO reserve	*42	63
Value for establishments with no LIFO reserve	8 995	11
End of 1981, total	7 269	8
Value for establishments with LIFO reserve	216	25
Amount of LIFO reserve	23	39
Value for establishments with no LIFO reserve	7 053	8
Establishments with no inventories:		
Number	288	7
Total construction receipts	485 945	3

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—									
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more	
1982											
Number of establishments -----	439	205	105	55	43	13	14	2	1	—	
All employees** -----	7 461	413	711	783	1 235	1 024	2 037	1 257	(D)	—	
Payroll, all employees -----	148 695	5 053	11 358	14 682	22 445	23 859	43 523	27 775	(D)	—	
Construction worker hours (thousands) -----	9 208	455	823	1 001	1 669	1 081	2 598	1 579	(D)	—	
All business receipts -----	703 618	34 152	46 305	56 528	566 633	(D)	(D)	(D)	(D)	—	
Total construction receipts -----	645 082	32 297	44 831	53 495	75 460	105 144	333 855	(D)	(D)	—	
Net construction receipts† -----	379 381	21 144	36 326	35 877	58 480	60 716	104 574	62 263	(D)	—	
Value added†† -----	277 143	11 851	26 154	21 627	37 758	36 702	99 709	43 341	(D)	—	
Payments for materials, components, supplies, and fuels -----	151 501	9 882	10 628	15 762	23 088	24 740	43 635	23 765	(D)	—	
Payments for construction work subcontracted to others -----	265 701	11 152	8 505	17 618	16 979	44 428	167 018	(D)	(D)	—	
Rental payments for machinery, equipment, and structures -----	9 433	261	245	784	1 553	549	4 239	1 801	(D)	—	
Capital expenditures, other than land -----	11 559	(D)	—	7 014	1 649	404	2 321	171	(D)	—	
End-of-year gross book value of depreciable assets -----	138 369	54 735	7 726	9 472	30 955	12 520	22 960	(D)	(D)	—	
1977											
All employees** -----	11 061	450	660	1 389	2 007	1 489	1 808	3 259	(D)	—	
Total construction receipts -----	646 044	26 149	39 783	86 563	88 023	91 745	122 776	191 004	(D)	—	
Value added†† -----	275 478	15 127	16 945	28 803	47 123	49 456	41 746	76 278	(D)	—	
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees** -----	2	13	14	10	6	(W)	(W)	(W)	—	—	
Net construction receipts† -----	2	15	15	7	5	(W)	(W)	(W)	—	—	
Capital expenditures, other than land -----	1	—	—	1	(W)	(W)	(W)	(W)	—	—	

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments -----	439	(S)	*9	73	86	82	57	49	19	14	11
All employees** -----	7 461	(S)	*10	158	342	538	792	931	892	1 248	2 505
Payroll, all employees -----	148 695	(S)	*116	1 461	3 593	9 025	12 734	19 123	16 847	28 263	57 402
Construction worker hours (thousands) -----	9 208	(S)	*9	132	388	620	1 008	1 332	912	1 465	3 301
All business receipts -----	703 618	(D)	(D)	6 873	14 044	29 516	37 849	615 336	(D)	(D)	(D)
Total construction receipts -----	645 082	(D)	969	5 786	13 046	28 597	36 212	75 181	59 343	91 207	334 741
Net construction receipts† -----	379 381	(D)	895	4 400	11 194	24 127	30 213	52 046	46 378	65 006	145 121
Value added†† -----	277 143	(D)	*606	2 684	6 841	15 067	20 626	32 105	29 433	37 109	132 669
Payments for materials, components, supplies, and fuels -----	151 501	(D)	292	1 768	4 664	9 542	10 089	20 960	19 552	30 510	54 122
Payments for construction work subcontracted to others -----	265 701	(D)	74	1 385	1 852	4 470	5 998	23 135	12 965	26 201	189 620
Rental payments for machinery, equipment, and structures -----	9 433	(D)	(D)	*42	112	368	371	1 533	847	1 482	4 676
Capital expenditures, other than land -----	11 559	(D)	(D)	6 706	-	-	(D)	585	1 736	1 218	1 313
End-of-year gross book value of depreciable assets -----	138 369	(S)	*78	1 160	3 657	5 753	54 958	19 502	11 563	20 110	21 468
1977											
All employees** -----	11 061	(S)	*99	183	579	774	1 186	1 498	1 156	15 467	(NA)
Total construction receipts -----	646 044	(S)	1 116	3 578	14 735	27 915	42 310	90 198	75 698	1389 337	(NA)
Value added†† -----	275 478	(S)	*600	1 809	7 562	14 206	22 453	49 627	32 800	1145 866	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees** -----	2	-	45	20	21	16	10	8	(W)	(W)	(W)
Net construction receipts† -----	2	-	30	23	20	19	10	11	(W)	(W)	(W)
Capital expenditures, other than land -----	1	-	-	1	-	-	-	4	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

*Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair			
	A	B	C	A	B	C
1982						
Total construction receipts†	645 082	528 512	116 569	2	2	3
Building construction	543 162	466 510	76 652	2	2	3
Single-family houses	106 794	91 861	14 933	9	10	9
Single-family houses, detached	74 686	63 175	11 510	13	15	12
Single-family houses, attached	32 108	28 685	3 423	7	7	21
Apartment buildings with two or more apartments	33 218	21 278	11 939	4	1	12
Other residential buildings	20 961	19 050	1 910	1	1	9
Office and bank buildings	210 964	185 624	25 339	1	1	2
Office buildings	201 357	178 984	22 373	1	1	2
Bank buildings and other financial institutions	9 606	6 640	2 966	5	5	6
Industrial buildings and warehouses	33 670	28 872	4 797	8	8	9
Industrial buildings	25 944	22 436	3 508	2	2	6
Warehouses	7 725	6 435	1 289	34	35	25
Stores, restaurants, public garages, and automobile service stations	39 476	32 325	7 151	4	4	1
Religious buildings	5 965	4 745	1 219	3	4	8
Educational buildings	9 481	6 579	2 902	3	4	2
Hospitals and institutional buildings	75 855	71 143	4 711	(W)	(W)	(W)
Other nonresidential buildings	6 778	5 033	*1 751	29	3	69
Nonbuilding construction	72 400	37 433	34 967	2	(W)	4
Highways, streets, and related facilities	30 304	13 122	17 182	(W)	(W)	(W)
Sewage treatment and water treatment plants	5 895	4 401	1 494	(W)	(W)	(W)
Heavy industrial facilities	6 509	3 028	3 481	(W)	(W)	(W)
Other nonbuilding construction	29 692	16 882	12 810	11	(W)	13
Construction work, n.s.k.	29 519	24 568	4 950	11	13	17
1977						
Total construction receipts†	646 044	546 355	99 689	2	2	3
Building construction	426 649	347 191	79 458	3	3	3
Single-family houses	107 975	88 609	19 366	10	12	7
Apartment buildings with two or more apartments	53 363	30 482	22 881	4	4	8
Other residential buildings	16 369	12 400	3 969	1	(W)	2
Office and bank buildings	113 842	98 370	15 472	(W)	(W)	2
Industrial buildings and warehouses	12 877	9 960	2 917	1	(W)	3
Stores, restaurants, public garages, and automobile service stations	18 636	12 413	6 223	2	2	5
Religious buildings	(D)	(D)	(D)	-	-	-
Educational buildings	15 993	13 837	2 156	1	1	5
Hospitals and institutional buildings	71 593	66 841	4 752	(W)	(W)	7
Other nonresidential buildings	(D)	(D)	(D)	-	-	-
Nonbuilding construction	186 400	169 003	17 397	(W)	(W)	(W)
Highways, streets, and related facilities	23 264	15 576	7 688	(W)	(W)	(W)
Bridges, tunnels, and elevated highways	(D)	(D)	(D)	-	-	-
Power and communication transmission lines, towers, and related facilities	(D)	(D)	(D)	-	-	-
Sewers, water mains, and related facilities	19 499	16 729	2 770	(W)	(W)	1
Mass transit construction	82 533	(D)	(D)	(W)	-	-
Other nonbuilding construction	38 696	33 176	5 520	1	1	1
Construction work, n.s.k.	32 999	30 145	2 854	15	15	17

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and subdividers and developers -----	439	5 648	9 208	5 381	2 085	5 975	2 448
15,16, 17	Construction industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses -----	99	446	724	475	184	500	211
1522	Other residential buildings -----	13	(S)	(S)	(S)	(S)	(S)	(S)
1531	Operative builders -----	28	256	373	208	76	282	98
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses -----	8	(S)	(S)	(S)	(S)	(S)	(S)
1542	Nonresidential buildings, n.e.c. -----	37	1 369	2 064	1 285	433	1 473	538
16	Heavy construction general contractors:							
1611	Highway and street construction -----	7	286	520	200	58	322	154
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction -----	2	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines -----	1	(D)	(D)	(D)	(D)	(D)	(D)
1629	Heavy construction, n.e.c. -----	3	(D)	(D)	(D)	(S)	(D)	(S)
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning -----	69	792	1 156	755	286	810	290
1721	Painting, paper hanging, and decorating -----	20	199	312	187	73	200	84
1731	Electrical work -----	31	614	1 066	645	281	629	276
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework -----	9	(S)	(S)	(S)	(S)	(S)	(S)
1742	Plastering, drywall, and insulation work -----	6	198	361	237	111	231	107
1743	Terrazzo, tile, marble, and mosaic work -----	*2	(D)	(D)	(D)	(D)	(D)	(D)
175	Carpentering and flooring:							
1751	Carpentering -----	8	97	164	94	39	102	47
1752	Floor laying and other floorwork -----	7	*38	43	*38	*12	*37	*10
1761	Roofing and sheet metal work -----	26	345	568	358	152	341	150
1771	Concrete work -----	*3	(D)	(D)	(D)	(D)	(D)	(D)
1781	Water well drilling -----	-	-	-	-	-	-	-
179	Miscellaneous special trade contractors:							
1791	Structural steel erection -----	1	(D)	(D)	(D)	(D)	(D)	(D)
1793	Glass and glazing work -----	*7	75	139	75	31	79	36
1794	Excavating and foundation work -----	*5	115	132	110	33	123	39
1795	Wrecking and demolition work -----	3	(D)	16	(D)	3	25	4
1796	Installing building equipment, n.e.c. -----	7	66	125	57	27	61	26
1799	Special trade contractors, n.e.c. -----	*18	(S)	(S)	(S)	(S)	(S)	(S)
6552	Subdividers and developers, n.e.c. -----	17	(S)	(S)	(S)	(S)	(S)	(S)

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)	B	C	D	E	F	G	H	I	J	K	
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
5 778	2 388	5 358	2 286	2	2	2	3	2	3	2	3	2	2	15,16,17
														15
419 (S)	173 (S)	389 (S)	155 (S)	12 -	12 -	11 -	15 -	11 -	13 -	13 -	17 -	14 -	18 -	152 1521 1522
286	104	235	93	19	23	17	24	17	23	24	26	20	25	1531
(S)	(S)	(S)	(S)	-	-	-	-	-	-	-	-	-	-	154 1541 1542
1 383	544	1 321	547	(W)	(W)	(W)	1	(W)	1	(W)	1	(W)	1	16
332	165	288	142	(W)	(W)	(W)	2	(W)	(W)	(W)	(W)	(W)	(W)	1611 162
(D)	(D)	(D)	(D)	-	-	-	-	-	-	-	-	-	-	1622 1623 1629
(D)	(D)	(D)	(S)	-	-	-	-	-	-	-	-	-	-	17
818	300	770	280	5	7	6	9	5	8	5	8	5	8	1711
225	81	195	73	14	15	15	18	14	16	13	17	15	19	1721
591	253	584	256	4	4	4	4	4	4	4	5	4	5	1731 174
(S)	(S)	(S)	(S)	-	-	-	-	-	-	-	-	-	-	1741 1742 1743
168 (D)	74 (D)	150 (D)	68 (D)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	
				-	-	-	-	-	-	-	-	-	-	175 1751 1752
124 33	*49 *10	58 33	*29 *10	34 47	34 30	32 47	32 44	40 48	38 52	38 40	43 45	38 40	42 45	
331	131	332	133	10	7	8	8	12	9	12	10	9	8	1761
(D)	(D)	(D)	(D)	-	-	-	-	-	-	-	-	-	-	1771
-	-	-	-	-	-	-	-	-	-	-	-	-	-	1781
(D)	(D)	(D)	(D)	-	-	-	-	-	-	-	-	-	-	179 1791 1793 1794 1795 1796 1799
78	36	74	34	29	26	30	32	31	30	28	27	28	28	
(D)	25	(D)	34	11	18	11	21	10	18	-	23	-	24	
(D)	4	(D)	(D)	-	(W)	-	(W)	(W)	(W)	-	(W)	-	-	
71 (S)	36 (S)	71 (S)	34 (S)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	
(S)	(S)	(S)	(S)	-	-	-	-	-	-	-	-	-	-	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in the District: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers	17.1	19.9	1.6	114.2	.231	.235	.412	.018	.015
15,16, 17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses	6.2	14.6	1.6	92.4	.218	.285	.413	.003	.003
1522	Other residential buildings	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(D)	(D)
1531	Operative builders	17.1	21.9	1.5	198.1	.208	(D)	.598	.022	(D)
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses	(S)	(S)	(S)	(S)	(S)	(D)	(D)	(D)	(D)
1542	Nonresidential buildings, n.e.c.	45.7	21.6	1.5	202.5	.132	(D)	.663	.001	.008
16	Heavy construction general contractors:									
1611	Highway and street construction	50.0	21.9	1.8	95.2	.282	.228	.226	.030	.086
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1629	Heavy construction, n.e.c.	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning	15.1	18.6	1.5	79.3	.309	(D)	.072	.012	.011
1721	Painting, paper hanging, and decorating	11.1	18.7	1.6	44.0	.475	(D)	.038	.015	.007
1731	Electrical work	27.3	23.0	1.7	78.9	.401	.460	.008	.006	.013
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework	(S)	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(S)
1742	Plastering, drywall, and insulation work	36.3	27.8	1.8	72.1	.425	.309	.059	.003	.012
1743	Terrazzo, tile, marble, and mosaic work	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
175	Carpentering and flooring:									
1751	Carpentering	14.5	13.6	1.7	54.7	.297	.271	.335	.013	.017
1752	Floor laying and other floorwork	(D)	(D)	* 1.1	(D)	(D)	(D)	(D)	(D)	(D)
1761	Roofing and sheet metal work	15.0	22.0	1.6	57.2	.433	.258	.023	.001	.018
1771	Concrete work	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1781	Water well drilling	-	-	-	-	-	-	-	-	-
179	Miscellaneous special trade contractors:									
1791	Structural steel erection	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1793	Glass and glazing work	* 12.6	22.3	1.9	77.9	.336	.347	(D)	.002	.005
1794	Excavating and foundation work	(D)	(D)	1.1	(D)	(D)	(D)	(D)	(D)	(D)
1795	Wrecking and demolition work	(D)	(D)	(D)	(D)	(D)	.179	(D)	.025	.048
1796	Installing building equipment, n.e.c.	12.4	26.1	1.9	93.0	.370	.265	(D)	(D)	.009
1799	Special trade contractors, n.e.c.	(S)	(S)	(S)	(S)	(S)	(S)	(D)	(D)	(D)
6552	Subdividers and developers, n.e.c.	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(D)	(S)

Table 12. **Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	WASHINGTON, D.C.-MD.-VA., SMSA											
	Construction industries and subdividers and developers	5 876	84 468	1 586 099	6 403 748	4 349 200	2 900 086	1 786 332	2 054 548	126 122	1	1
15, 16, 17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	1 002	5 915	76 997	349 165	246 224	151 181	100 887	102 942	7 480	5	4
1522	Other residential buildings	133	1 123	21 820	200 419	65 097	34 571	31 356	135 323	843	5	4
1531	Operative builders	315	3 787	76 171	699 387	368 977	207 903	177 626	330 410	8 280	4	3
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	57	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1542	Nonresidential buildings, n.e.c.	293	8 435	180 676	1 434 239	540 407	395 106	193 625	893 832	42 430	2	2
16	Heavy construction general contractors:											
1611	Highway and street construction	93	2 421	47 951	201 228	164 311	114 007	64 202	36 917	6 416	4	3
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	11	408	6 662	27 377	21 872	14 951	(D)	5 505	285	8	5
1623	Water, sewer, and utility lines	90	2 856	50 529	145 252	128 173	85 668	44 452	17 080	6 155	2	2
1629	Heavy construction, n.e.c.	49	8 124	237 422	506 594	368 242	400 895	(D)	138 352	3 095	(W)	(W)
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	781	10 418	185 541	700 826	589 945	331 091	270 674	110 881	10 181	3	2
1721	Painting, paper hanging, and decorating	427	2 692	37 441	87 228	79 899	59 805	20 276	7 329	1 964	6	6
1731	Electrical work	430	7 997	162 973	450 296	438 806	247 066	203 077	11 491	5 536	3	2
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	299	3 816	55 813	142 709	137 905	91 532	47 364	4 804	1 772	5	3
1742	Plastering, drywall, and insulation work	198	4 201	73 671	207 009	185 218	121 740	65 672	21 792	2 114	3	3
1743	Terrazzo, tile, marble, and mosaic work	60	376	5 621	16 690	16 179	9 496	6 927	*511	*643	15	14
175	Carpentering and flooring:											
1751	Carpentering	369	2 579	36 775	103 969	92 614	62 683	31 363	11 355	1 605	7	6
1752	Floor laying and other floorwork	113	1 050	15 565	52 095	48 315	29 540	19 402	3 780	547	8	7
1761	Roofing and sheet metal work	258	3 710	63 055	182 050	175 941	104 470	72 910	6 109	2 711	5	3
1771	Concrete work	234	4 710	72 545	230 917	213 297	121 317	96 730	17 620	5 578	5	3
1781	Water well drilling	*11	69	1 083	4 123	(D)	2 596	1 543	(D)	(D)	32	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	40	638	10 882	27 909	26 675	20 292	10 372	*1 234	531	10	12
1793	Glass and glazing work	49	640	12 272	38 318	37 774	19 121	21 807	*544	238	7	7
1794	Excavating and foundation work	146	2 018	33 166	112 181	98 932	76 610	26 503	13 249	5 111	4	3
1795	Wrecking and demolition work	12	193	2 597	12 313	(D)	8 730	1 231	(D)	(D)	(W)	-
1796	Installing building equipment, n.e.c.	36	948	26 831	86 967	85 525	61 044	24 620	1 442	320	3	1
1799	Special trade contractors, n.e.c.	263	2 024	29 238	93 891	86 281	55 292	33 165	7 610	2 391	5	5
6552	Subdividers and developers, n.e.c.	113	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-

Florida

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SUMMARY OF FINDINGS

During 1982, 67,476 establishments in Florida operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$20.8 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 40,032 establishments in this State with no payroll accounted for about 12 percent of all business receipts for all construction establishments in Florida. On the other hand, 27,444 establishments classified as "employers" accounted for 88 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$18.4 billion, of which \$17.5 billion were receipts for construction work. These establishments paid \$4.7 billion for construction work subcontracted to others, leaving net construction receipts of about \$12.8 billion. Value added for these establishments amounted to \$7.7 billion. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Florida paid \$5.3 billion for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$345 million were also made for selected power, fuels, and

lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Florida was 261 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 86.7 million hours, while hours worked during the third quarter were 89.8 million hours.

Total payroll for 1982 was \$3.9 billion. Payments of \$685 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Florida are based on a sample of about 12,000 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1982													
	Construction industries and subdividers and developers-----	67 476	44 727	261 121	20 823 535	40 032	38 219	2 470 735	27 444	6 508	261 121	18 352 800	1	(W)
15,16, 17	Construction industries ¹ -----	64 980	43 136	255 392	19 670 640	38 298	36 707	1 788 991	26 682	6 429	255 392	17 881 649	1	(W)
15	General building contractors and operative builders-----	16 589	8 899	69 391	8 945 532	8 836	7 723	756 396	7 753	1 176	69 391	8 189 136	1	1
16	Heavy construction, general contractors--	1 858	627	32 777	2 588 601	478	444	184 630	1 380	183	32 777	2 403 971	1	1
17	Special trade contractors-----	46 533	33 610	153 224	8 136 507	28 984	28 540	847 965	17 549	5 070	153 224	7 288 542	1	1
1711	Plumbing, heating, and air conditioning----	5 527	2 641	33 580	2 024 158	2 107	1 975	93 919	3 420	666	33 580	1 930 239	1	1
1731	Electrical work-----	3 871	1 902	25 689	1 340 011	1 551	1 470	57 125	2 320	432	25 689	1 282 886	1	1
6552	Subdividers and developers, n.e.c. ² -----	2 489	1 589	5 722	1 152 888	1 734	1 512	681 744	755	77	5 722	471 144	3	3
	1977													
	Construction industries and subdividers and developers-----	50 712	38 327	196 561	10 184 785	28 808	28 640	839 564	21 904	9 687	196 561	9 345 221	2	1
15,16, 17	Construction industries ¹ -----	49 571	37 425	188 639	9 692 329	28 135	27 894	735 771	21 436	9 531	188 639	8 956 558	2	1
15	General building contractors and operative builders-----	12 204	7 306	58 180	4 673 644	5 553	5 105	385 948	6 651	2 201	58 180	4 287 696	5	1
16	Heavy construction, general contractors--	2 037	1 139	28 418	1 479 681	769	753	23 413	1 268	386	28 418	1 456 268	1	1
17	Special trade contractors-----	35 330	28 980	102 041	3 539 004	21 813	22 036	326 410	13 517	6 944	102 041	3 212 594	1	1
1711	Plumbing, heating, and air conditioning----	4 628	2 877	21 809	881 320	1 894	1 865	43 765	2 734	1 012	21 809	837 555	2	2
1731	Electrical work-----	3 041	1 877	18 191	645 255	1 286	1 280	22 496	1 755	597	18 191	622 759	2	2
6552	Subdividers and developers, n.e.c. ² -----	1 146	902	7 923	492 461	673	746	103 793	473	156	7 923	388 668	6	3

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1982													
The State	67 476	44 727	261 121	20 823 535	40 032	38 219	2 470 735	27 444	6 508	261 121	18 352 800	1	(W)
\$10,000,000 or more	266	35	45 050	6 207 340	12	15	312 502	254	20	45 050	5 894 838	(W)	(W)
\$5,000,000 to \$9,999,999	342	45	23 143	2 361 794	25	34	172 148	317	11	23 143	2 189 646	(W)	(W)
\$2,500,000 to \$4,999,999	742	89	30 512	2 571 247	58	59	196 518	684	30	30 512	2 374 731	(W)	(W)
\$1,000,000 to \$2,499,999	2 128	245	45 581	3 256 823	167	164	259 487	1 961	81	45 581	2 997 356	1	2
\$500,000 to \$999,999	3 121	443	35 444	2 167 619	329	233	224 373	2 792	210	35 444	1 943 246	2	2
\$250,000 to \$499,999	4 759	1 232	30 061	1 662 301	776	603	262 939	3 983	629	30 061	1 399 362	3	2
\$100,000 to \$249,999	8 895	3 776	29 778	1 422 371	2 314	2 002	349 991	6 581	1 774	29 778	1 072 380	3	2
\$50,000 to \$99,999	8 096	4 912	12 157	580 537	3 543	3 283	244 484	4 553	1 629	12 157	336 053	4	3
\$25,000 to \$49,999	8 749	6 683	5 080	308 616	5 971	5 717	207 302	2 778	966	5 080	101 314	4	3
Less than \$25,000	30 376	27 265	(S)	284 886	26 837	26 109	241 013	(S)	(S)	(S)	(S)	-	-
\$10,000 to \$24,999	(NA)	(NA)	(NA)	(NA)	11 008	10 726	172 753	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	7 075	6 911	48 429	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999	(NA)	(NA)	(NA)	(NA)	5 724	5 557	16 801	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000	(NA)	(NA)	(NA)	(NA)	3 030	2 915	3 030	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977													
The State	50 712	38 327	196 561	10 184 785	28 808	28 640	839 564	21 904	9 687	196 561	9 345 221	2	1
\$10,000,000 or more	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 ²	232	24	38 444	2 987 204	8	8	54 657	224	16	38 444	2 932 547	8	(W)
\$2,500,000 to \$4,999,999	345	22	18 940	1 213 354	10	4	33 779	335	18	18 940	1 179 575	2	1
\$1,000,000 to \$2,499,999	1 164	150	31 806	1 762 530	44	36	62 319	1 120	114	31 806	1 700 211	1	2
\$500,000 to \$999,999	1 924	381	27 325	1 352 935	140	109	93 593	1 784	272	27 325	1 259 342	2	3
\$250,000 to \$499,999	3 071	876	27 682	1 064 171	262	219	89 014	2 809	657	27 682	975 157	2	3
\$100,000 to \$249,999	6 110	3 025	28 723	965 867	844	793	129 243	5 266	2 232	28 723	836 624	3	3
\$50,000 to \$99,999	5 632	3 933	12 802	403 503	1 412	1 381	96 053	4 220	2 552	12 802	307 450	4	4
\$25,000 to \$49,999	6 307	5 192	6 585	222 811	3 049	3 079	103 737	3 258	2 113	6 585	119 074	6	5
Less than \$25,000	25 927	24 722	(S)	212 411	23 039	23 011	177 169	(S)	(S)	(S)	(S)	-	-
\$10,000 to \$24,999	9 104	8 479	2 666	141 234	7 450	7 463	112 639	1 654	1 016	2 666	28 595	9	7
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	6 626	6 629	44 900	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999	(NA)	(NA)	(NA)	(NA)	5 935	5 909	17 349	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500	(NA)	(NA)	(NA)	(NA)	3 028	3 010	2 281	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipt†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers -----	27 444	261 121	208 330	3 885 088	2 846 658	350 492	17 475 921	12 807 981
15,16, 17	Construction industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	4 291	21 766	17 042	258 461	192 187	26 825	1 739 372	1 240 821
1522	Other residential buildings -----	595	7 800	6 355	134 477	94 705	11 273	1 041 509	458 364
1531	Operative builders -----	1 320	14 106	5 873	223 740	74 807	9 690	12 004 320	1 082 843
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	323	5 036	4 020	89 293	63 475	7 083	505 501	248 643
1542	Nonresidential buildings, n.e.c. -----	1 224	20 683	16 333	340 649	231 835	27 965	2 501 439	1 093 518
16	Heavy construction general contractors:								
1611	Highway and street construction -----	442	11 806	10 085	181 172	139 644	20 612	874 425	687 197
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	29	1 728	1 530	29 568	21 403	2 769	130 498	110 500
1623	Water, sewer, and utility lines -----	446	10 694	9 194	164 377	130 105	18 010	619 184	515 465
1629	Heavy construction, n.e.c. -----	463	8 549	6 505	170 737	116 132	11 573	652 163	553 456
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning -----	3 420	33 580	26 919	553 422	432 106	48 119	1 867 327	1 693 157
1721	Painting, paper hanging, and decorating -----	1 423	8 860	7 884	92 085	78 148	11 453	247 492	222 964
1731	Electrical work -----	2 320	25 689	21 056	432 411	343 029	36 771	1 267 293	1 241 265
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	1 045	7 272	6 724	73 795	64 887	8 891	206 000	194 363
1742	Plastering, drywall, and insulation work -----	1 321	15 247	13 509	212 173	172 541	20 920	619 247	570 377
1743	Terrazzo, tile, marble, and mosaic work -----	438	2 465	2 149	30 750	24 597	3 285	101 768	98 273
175	Carpentering and flooring:								
1751	Carpentering -----	1 528	8 000	7 206	81 744	68 270	9 674	253 616	227 062
1752	Floor laying and other floorwork -----	292	1 295	1 035	13 011	9 673	1 620	51 453	47 718
1761	Roofing and sheet metal work -----	1 535	14 931	12 393	195 298	150 156	19 372	653 002	624 705
1771	Concrete work -----	1 033	10 565	9 424	149 031	124 005	15 698	497 610	437 825
1781	Water well drilling -----	177	1 055	789	14 033	10 131	1 535	57 853	56 143
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	246	3 581	3 078	63 677	52 392	4 822	167 130	154 467
1793	Glass and glazing work -----	324	2 176	1 554	33 740	22 120	2 679	130 343	128 497
1794	Excavating and foundation work -----	682	6 503	5 443	89 372	71 717	9 750	376 068	336 314
1795	Wrecking and demolition work -----	22	164	139	2 012	1 623	237	6 393	6 132
1796	Installing building equipment, n.e.c. -----	152	2 526	2 135	50 328	42 038	3 632	168 264	165 387
1799	Special trade contractors, n.e.c. -----	1 591	9 315	7 450	120 173	87 631	11 799	457 482	406 264
6552	Subdividers and developers, n.e.c. -----	755	5 722	2 497	85 552	27 295	4 375	1279 161	206 255

†Land receipts for SIC 1531 were \$244,905; for SIC 6552 were \$167,350.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
7 665 269	5 607 335	4 667 940	230 193	310 240	3 087 587	196 561	8 752 932	3 578 112	1	(W)	1	15,16, 17
												15
690 951	582 595	498 550	12 440	22 363	178 230	22 381	1 274 727	435 541	2	2	3	152
262 230	215 664	583 145	10 387	5 634	44 242	3 970	278 699	71 613	1	1	2	1521
												1522
736 875	422 285	921 477	11 229	48 933	435 730	15 837	1 304 402	330 528	1	1	(W)	1531
125 992	125 543	256 858	3 941	5 001	39 527	5 165	302 999	57 017	3	4	5	154
600 529	513 612	1 407 921	15 227	16 987	159 319	10 827	817 757	184 105	1	1	1	1541
												1542
												16
407 518	342 245	187 228	31 018	36 627	456 875	12 376	597 128	266 601	1	1	2	1611
71 987	(D)	19 998	2 456	4 978	53 300	906	41 329	17 296	1	(W)	(W)	162
321 207	200 253	103 719	23 343	23 180	206 121	7 510	292 698	155 791	1	2	3	1622
385 794	220 358	98 707	14 455	15 707	140 409	7 626	471 929	212 302	2	2	5	1623
												1629
												17
918 290	837 778	174 170	20 239	26 626	266 598	21 809	825 354	403 149	1	1	2	1711
161 616	63 514	24 528	3 146	5 099	40 221	6 570	139 377	97 328	4	3	11	1721
699 835	557 023	26 028	12 808	20 968	169 959	18 191	615 518	346 658	1	1	2	1731
121 085	74 562	11 637	3 275	4 117	36 444	6 879	130 165	84 709	5	3	5	174
344 908	236 928	48 870	6 176	6 743	58 671	9 032	263 660	147 076	2	2	4	1741
53 358	47 057	3 495	771	1 510	11 149	2 091	60 164	31 192	6	6	14	1742
												1743
141 731	87 381	26 553	2 421	4 196	28 637	5 856	122 447	77 169	5	4	8	175
24 449	24 600	3 734	564	505	4 222	1 255	50 563	20 173	11	12	18	1751
												1752
348 239	288 764	28 297	6 603	10 798	96 391	9 018	273 759	146 795	2	2	4	1761
271 726	180 518	59 785	10 030	11 265	129 961	5 759	130 403	82 789	2	2	3	1771
31 200	26 515	1 710	512	1 246	19 261	896	36 076	19 823	10	7	13	1781
108 045	49 035	12 662	3 977	3 171	28 682	2 154	61 439	34 107	4	3	3	179
64 115	70 812	1 846	1 188	1 455	13 809	1 302	46 253	23 453	7	6	9	1791
245 741	96 527	39 754	23 125	16 770	206 075	2 678	97 381	69 392	3	3	5	1793
5 390	1 090	261	623	531	3 040	148	3 977	3 762	14	11	10	1794
112 578	53 738	2 877	1 570	2 490	12 888	824	44 754	32 480	4	2	1	1795
242 405	(D)	51 217	6 829	7 691	66 132	7 579	259 366	137 717	3	3	5	1796
												1799
167 465	63 422	72 906	1 831	5 640	181 685	7 923	210 614	89 549	3	3	5	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	27 444	21 904	22 332	13 626	1	2	2	2
Number of establishments in business at end of year	26 564	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Proprietors and working partners	6 508	9 687	11 776	8 104	3	3	3	4
All employees**	261 121	196 561	242 554	133 758	1	2	1	1
Construction workers:								
March	207 164	145 250	182 901	108 240	1	1	1	1
May	207 987	152 280	192 005	108 682	1	1	1	1
August	209 163	159 733	209 111	113 412	1	1	1	1
November	198 985	162 092	212 044	113 008	1	1	1	1
Average	208 330	154 964	201 132	112 024	1	1	1	1
Other employees:								
March	52 061	39 064	39 672	21 588	1	6	2	1
Construction worker hours (thousands):								
January to March	86 677	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
April to June	88 286	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
July to September	89 782	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
October to December	85 745	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Total hours worked	350 492	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Payroll, all employees	3 885 088	2 031 791	1 981 905	770 562	(W)	1	1	1
Payroll, construction workers	2 846 658	1 481 678	1 551 631	598 373	(W)	1	1	1
Payroll, other employees	1 038 429	550 114	430 274	172 323	1	1	2	1
First quarter payroll, all employees	945 171	448 498	(NA)	(NA)	(W)	1	(NA)	(NA)
Employer costs for fringe benefits	685 492	344 917	(NA)	(NA)	1	1	(NA)	(NA)
Legally required expenditures	512 420	241 116	(NA)	(NA)	1	1	(NA)	(NA)
Voluntary expenditures	173 071	103 801	(NA)	(NA)	1	1	(NA)	(NA)
All business receipts	18 352 800	9 345 221	8 669 579	3 541 366	(W)	1	1	1
Total construction receipts	17 475 921	8 752 932	8 011 034	3 259 420	(W)	1	1	1
Receipts for work subcontracted in from others	4 244 576	2 186 993	1 741 205	659 343	1	1	2	1
Land receipts ¹	412 255	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Other business receipts	464 623	592 289	658 545	282 089	1	2	4	2
Net construction receipts†	12 807 981	6 346 092	5 711 762	2 357 902	(W)	1	1	1
Value added††	7 665 269	3 578 112	3 415 996	1 383 635	(W)	1	2	1
Selected payments	10 275 275	5 447 987	4 777 236	1 937 669	1	1	2	1
Materials, components, and supplies ²	5 262 317	2 876 191	2 477 964	1 038 443	1	1	1	1
Construction work subcontracted to others	4 667 940	2 406 840	2 299 272	901 550	1	1	2	2
Selected power, fuels, and lubricants	345 018	164 955	(NA)	(NA)	1	2	(NA)	(NA)
Electricity	54 164	30 116	(NA)	(NA)	1	7	(NA)	(NA)
Natural gas	7 370	4 763	(NA)	(NA)	1	4	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	259 682	111 233	(NA)	(NA)	1	1	(NA)	(NA)
Other, including lubricating oils and greases	23 801	18 844	(NA)	(NA)	3	2	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	6 118	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	230 193	114 330	(NA)	(NA)	1	1	(NA)	(NA)
For machinery and equipment	173 582	91 746	91 041	35 481	1	1	2	3
For structures	56 611	22 583	(NA)	(NA)	1	2	(NA)	(NA)
Selected purchased services	304 767	184 515	(NA)	(NA)	1	1	(NA)	(NA)
Communication services	82 441	54 751	(NA)	(NA)	1	2	(NA)	(NA)
Repairs to structures and related facilities	20 949	10 929	(NA)	(NA)	2	8	(NA)	(NA)
Repairs to machinery and equipment	201 377	118 836	(NA)	(NA)	1	1	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	17 475 921	8 752 932	8 011 034	3 259 420	(W)	1	1	1
Government owned	2 693 248	1 512 790	1 238 506	875 129	2	1	1	2
Privately owned	14 782 673	7 240 142	6 772 528	2 384 291	1	1	2	2

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendices]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	2 948 566	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	310 240	265 835	260 630	73 335	1	4	2	2
New -----	238 536	223 192	221 371	60 833	1	4	2	2
Used -----	71 703	42 642	39 259	12 502	3	3	7	3
Retirements and disposition of depreciable assets -----	171 219	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	3 087 587	1 620 495	1 092 733	(NA)	1	1	2	(NA)
Depreciation charges during year -----	387 849	152 462	122 919	(NA)	1	3	2	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	672 283	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	71 209	79 920	79 564	15 598	2	7	8	8
New structures and related facilities -----	64 211	74 112	67 898	13 389	2	9	4	6
Used structures and related facilities -----	6 998	5 808	11 666	2 209	5	6	12	10
Retirements and disposition of depreciable assets -----	65 619	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	677 873	512 007	314 221	(NA)	1	2	2	(NA)
Depreciation charges during year -----	58 777	24 094	18 589	(NA)	2	10	4	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	2 276 283	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	239 031	185 914	181 066	57 737	1	3	4	2
New machinery and equipment, including automobiles and trucks -----	174 325	149 080	153 473	47 444	1	4	2	2
New automobiles and trucks, intended primarily for highway use -----	75 150	65 703	(NA)	(NA)	2	2	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	64 705	36 834	27 593	10 293	3	3	7	3
Retirements and disposition of depreciable assets -----	105 600	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	2 409 714	1 108 488	778 512	(NA)	1	1	2	(NA)
Depreciation charges during year -----	329 072	128 369	104 330	(NA)	1	1	2	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendices]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	27 444	1
Total construction receipts	17 475 921	(W)
Establishments with inventories:		
Number	6 253	4
Total construction receipts	6 643 072	1
Inventories¹:		
End of 1982, total	501 989	2
Value for establishments with LIFO reserve	12 217	3
Amount of LIFO reserve	2 647	11
Value for establishments with no LIFO reserve	489 772	2
End of 1981, total	411 802	2
Value for establishments with LIFO reserve	9 165	7
Amount of LIFO reserve	3 357	16
Value for establishments with no LIFO reserve	402 637	2
Establishments with no inventories:		
Number	21 191	1
Total construction receipts	10 832 849	1

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Establishments with an average of—									
	Total	1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1982										
Number of establishments	27 444	16 011	5 389	3 338	1 923	530	190	47	11	4
All employees*	261 121	32 757	35 323	44 993	57 358	36 155	27 315	15 254	6 797	5 168
Payroll, all employees	3 885 088	331 989	424 803	626 259	888 906	591 523	480 865	280 902	136 013	123 827
Construction worker hours (thousands)	350 492	40 470	42 822	56 558	76 673	51 405	41 913	23 020	10 417	7 210
All business receipts	18 352 800	1 859 106	1 980 813	2 719 627	4 076 481	3 111 285	2 298 634	2 306 854	(D)	(D)
Total construction receipts	17 475 921	1 781 092	1 894 491	2 613 910	3 905 813	2 929 056	2 203 889	1 085 347	747 515	314 808
Net construction receipts†	12 807 981	1 370 956	1 486 528	2 010 911	2 830 244	2 053 201	1 373 737	819 464	620 786	242 153
Value added††	7 665 269	761 200	828 785	1 174 683	1 723 721	1 319 776	835 928	474 978	387 266	158 932
Payments for materials, components, supplies, and fuels	5 607 335	634 822	696 170	890 369	1 190 058	835 227	606 476	381 953	240 359	131 900
Payments for construction work subcontracted to others	4 667 940	410 136	407 962	602 999	1 075 568	875 855	830 152	265 883	126 729	72 655
Rental payments for machinery, equipment, and structures	230 193	18 205	23 852	33 087	48 117	47 378	38 011	13 159	8 383	(D)
Capital expenditures, other than land	310 240	28 549	38 989	42 594	66 932	58 299	47 138	17 450	9 709	579
End-of-year gross book value of depreciable assets	3 087 587	343 056	372 349	422 693	622 554	494 232	379 601	310 281	92 906	49 914
1977										
All employees**	196 561	26 372	30 485	36 403	41 015	21 998	15 977	10 474	6 176	7 661
Total construction receipts	8 752 932	1 087 747	1 210 414	1 455 117	1 942 011	1 125 812	766 798	621 888	323 901	219 245
Value added††	3 578 112	446 111	513 236	649 277	784 743	485 896	361 398	(D)	150 095	187 357
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	2	2	2	1	1	(W)	(W)	(W)	(W)
Net construction receipts†	(W)	2	2	2	1	(W)	(W)	(W)	(W)	(W)
Capital expenditures, other than land	1	6	7	5	1	(W)	(W)	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments	27 444	(S)	2 778	4 553	6 581	3 983	2 792	1 961	684	317	254
All employees**	261 121	(S)	5 080	12 157	29 778	30 061	35 444	45 581	30 512	23 143	45 050
Payroll, all employees	3 885 088	(S)	30 546	93 149	293 238	368 613	491 604	726 539	525 228	420 330	922 491
Construction worker hours (thousands)	350 492	(S)	5 420	12 800	35 081	37 916	45 149	63 391	44 740	34 497	67 348
All business receipts	18 352 800	(S)	101 314	336 053	1 072 380	1 399 362	1 943 246	2 997 356	2 374 731	2 189 646	5 894 838
Total construction receipts	17 475 921	(S)	98 886	327 209	1 045 320	1 356 189	1 877 192	2 871 714	2 278 057	2 077 385	5 501 533
Net construction receipts†	12 807 981	(S)	88 176	293 008	910 819	1 150 111	1 538 966	2 289 998	1 705 394	1 375 308	3 419 142
Value added††	7 665 269	(S)	54 180	178 362	527 693	640 245	871 748	1 346 430	1 005 350	837 335	2 181 462
Payments for materials, components, supplies, and fuels	5 607 335	(S)	35 059	118 608	396 053	534 229	701 903	1 010 687	742 950	586 205	1 466 439
Payments for construction work subcontracted to others	4 667 940	(S)	10 710	34 200	134 500	206 078	338 225	581 716	572 663	702 077	2 082 391
Rental payments for machinery, equipment, and structures	230 193	(S)	1 242	4 038	14 376	15 503	25 988	40 912	31 024	35 078	61 219
Capital expenditures, other than land	310 240	(S)	1 395	5 942	19 997	26 126	35 904	52 689	43 565	30 207	94 020
End-of-year gross book value of depreciable assets	3 087 587	(S)	27 118	73 601	229 201	273 100	329 270	533 906	364 436	343 114	899 293
1977											
All employees**	196 561	(S)	6 585	12 802	28 723	27 682	27 325	31 806	18 940	138 444	(NA)
Total construction receipts	8 752 932	(S)	115 258	300 504	814 483	942 842	1 205 187	1 617 584	1 133 311	1 590 180	(NA)
Value added††	3 578 112	(S)	63 696	159 662	398 947	450 751	495 080	687 746	423 711	1 881 260	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	—	4	4	3	3	2	1	(W)	(W)	(W)
Net construction receipts†	(W)	—	4	3	2	3	2	1	(W)	(W)	(W)
Capital expenditures, other than land	1	—	14	9	7	7	7	4	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

*Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair			
	A	B	C	A	B	C
1982						
Total construction receipts†	17 475 921	15 122 516	2 353 405	(W)	(W)	1
Building construction	12 998 634	11 463 414	1 535 221	(W)	(W)	1
Single-family houses	4 739 148	4 146 948	592 199	1	1	2
Single-family houses, detached	3 820 070	3 292 958	527 112	1	1	3
Single-family houses, attached	919 077	853 990	65 087	2	2	5
Apartment buildings with two or more apartments	1 975 442	1 829 609	145 833	1	1	2
Other residential buildings	469 298	412 921	56 377	2	1	6
Office and bank buildings	1 723 705	1 533 361	190 343	1	1	2
Office buildings	1 432 236	1 278 705	153 531	1	1	2
Bank buildings and other financial institutions	291 468	254 656	36 812	2	2	3
Industrial buildings and warehouses	1 356 251	1 116 442	239 809	1	1	3
Industrial buildings	951 725	749 588	202 137	1	1	3
Warehouses	404 526	366 853	37 672	2	2	4
Stores, restaurants, public garages, and automobile service stations	1 026 121	878 775	147 346	1	2	3
Religious buildings	149 254	124 034	25 220	4	4	3
Educational buildings	440 931	396 462	44 469	1	2	3
Hospitals and institutional buildings	681 161	624 056	57 104	1	1	2
Amusement, social, and recreational buildings	246 667	227 059	19 607	2	2	5
Other nonresidential buildings	190 656	173 747	16 914	3	3	15
Nonbuilding construction	3 049 029	2 506 645	542 384	1	1	1
Highways, streets, and related facilities	966 915	752 157	214 757	1	1	3
Outdoor swimming pools	64 233	56 293	7 940	10	10	18
Bridges, tunnels, and elevated highways	173 621	166 664	6 956	1	1	5
Marine construction	105 667	83 140	22 526	8	10	10
Conservation and development construction	58 031	40 425	17 606	8	11	6
Power and communication transmission lines, towers, and related facilities	239 312	196 502	42 809	3	3	2
Sewers, water mains, and related facilities	460 163	414 760	45 402	2	2	4
Sewers, sewer lines, and related facilities	274 844	248 059	26 784	3	3	6
Water mains and related facilities	185 319	166 701	18 618	2	3	8
Sewage treatment and water treatment plants	208 826	194 795	14 030	1	1	5
Sewage treatment plants	100 454	93 888	6 566	1	2	4
Water treatment plants	108 371	100 906	7 464	2	2	7
Heavy industrial facilities	388 831	304 450	84 380	1	(W)	2
Blast furnaces, petroleum refineries, and chemical complexes	172 786	138 978	33 807	1	1	4
Power plants	216 045	165 472	50 572	(W)	(W)	1
Other nonbuilding construction	383 430	297 459	85 978	6	5	17
Construction work, n.s.k.	1 428 257	1 152 456	275 799	2	2	2
1977						
Total construction receipts†	8 752 932	7 621 982	1 130 950	1	1	1
Building construction	6 358 248	5 543 558	814 690	1	1	1
Single-family houses	3 141 462	2 748 421	393 041	1	2	3
Apartment buildings with two or more apartments	861 452	786 633	74 819	2	2	3
Other residential buildings	140 828	104 612	36 216	2	2	5
Office and bank buildings	396 016	336 390	59 626	1	1	3
Industrial buildings and warehouses	665 430	558 911	106 519	1	1	2
Stores, restaurants, public garages, and automobile service stations	415 716	348 909	66 807	2	2	3
Religious buildings	79 641	67 896	11 745	3	3	6
Educational buildings	267 976	248 803	19 173	2	2	5
Hospitals and institutional buildings	227 916	205 168	22 748	3	3	4
Amusement, social, and recreational buildings	89 973	77 990	11 983	8	9	6
Other nonresidential buildings	71 841	59 824	12 017	5	5	12
Nonbuilding construction	1 910 278	1 664 334	245 944	1	1	2
Highways, streets, and related facilities	579 937	481 784	98 153	1	1	1
Outdoor swimming pools	107 558	98 958	8 600	6	6	5
Bridges, tunnels, and elevated highways	60 450	54 779	5 671	1	(W)	9
Marine construction	51 676	38 517	13 159	5	6	5
Conservation and development construction	115 342	109 312	6 030	2	2	12
Power and communication transmission lines, towers, and related facilities	109 546	81 409	28 137	3	3	2
Sewers, water mains, and related facilities	278 349	255 904	22 445	2	1	8
Sewage treatment and water treatment plants	201 426	198 083	3 343	1	1	13
Heavy industrial facilities	172 177	149 418	22 759	1	(W)	2
Other nonbuilding construction	233 817	196 170	37 647	3	2	9
Construction work, n.s.k.	484 498	413 787	70 711	2	2	3

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and subdividers and developers	27 444	208 330	350 492	207 164	86 677	207 987	88 286
15,16, 17	Construction industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses	4 291	17 042	26 825	16 673	6 565	16 796	6 604
1522	Other residential buildings	595	6 355	11 273	7 130	3 141	6 687	2 934
1531	Operative builders	1 320	5 873	9 690	5 942	2 455	5 916	2 458
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses	323	4 020	7 083	4 032	1 736	3 804	1 648
1542	Nonresidential buildings, n.e.c.	1 224	16 333	27 965	16 252	6 761	16 323	6 922
16	Heavy construction general contractors:							
1611	Highway and street construction	442	10 085	20 612	9 337	4 650	10 315	5 397
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction	29	1 530	2 769	1 601	702	1 505	694
1623	Water, sewer, and utility lines	446	9 194	18 010	9 772	4 667	9 485	4 629
1629	Heavy construction, n.e.c.	463	6 505	11 573	6 821	2 961	6 595	3 009
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning	3 420	26 919	48 119	26 925	11 956	26 599	12 109
1721	Painting, paper hanging, and decorating	1 423	7 884	11 453	7 103	2 717	7 927	2 936
1731	Electrical work	2 320	21 056	36 771	21 256	9 205	20 158	8 917
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework	1 045	6 724	8 891	6 507	2 112	7 110	2 332
1742	Plastering, drywall, and insulation work	1 321	13 509	20 920	13 627	5 193	13 312	5 235
1743	Terrazzo, tile, marble, and mosaic work	438	2 149	3 285	2 167	867	2 167	808
175	Carpentering and flooring:							
1751	Carpentering	1 528	7 206	9 674	6 970	2 361	6 724	2 367
1752	Floor laying and other floorwork	292	1 035	1 620	1 085	408	1 004	403
1761	Roofing and sheet metal work	1 535	12 393	19 372	11 579	4 517	12 653	4 962
1771	Concrete work	1 033	9 424	15 698	9 385	3 889	9 411	3 899
1781	Water well drilling	177	789	1 585	802	431	818	410
179	Miscellaneous special trade contractors:							
1791	Structural steel erection	246	3 078	4 822	3 146	1 264	3 136	1 184
1793	Glass and glazing work	324	1 554	2 679	1 582	672	1 512	660
1794	Excavating and foundation work	682	5 443	9 750	5 219	2 383	5 451	2 496
1795	Wrecking and demolition work	22	139	237	132	52	129	53
1796	Installing building equipment, n.e.c.	152	2 135	3 632	2 180	945	2 159	902
1799	Special trade contractors, n.e.c.	1 591	7 450	11 799	7 335	2 885	7 692	3 125
6552	Subdividers and developers, n.e.c.	755	2 497	4 375	2 594	1 169	2 589	1 180

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
209 163	89 782	198 985	85 745	1	1	1	1	1	1	1	1	1	1	15,16, 17
														15
16 886 5 896	6 703 2 662	16 421 5 491	6 952 2 535	2 1	2 1	2 1	3 1	2 1	3 1	2 1	3 1	2 1	3 1	152 1521 1522
5 710	2 406	5 561	2 369	2	3	2	3	2	3	3	3	3	3	1531
4 387 16 840	2 007 7 338	3 804 15 384	1 690 6 942	3 1	3 1	3 1	4 1	3 1	4 1	3 2	3 1	4 1	4 1	154 1541 1542
														16
10 286	5 239	10 219	5 323	1	1	1	1	1	1	1	1	1	1	1611
														162
1 482 9 065 6 445	669 4 490 3 055	1 523 8 359 6 037	702 4 223 2 546	(W) 1 2	(W) 1 2	(W) 1 2	(W) 1 2	(W) 2 2	(W) 2 2	(W) 2 2	(W) 2 3	(W) 1 2	(W) 1 3	1622 1623 1629
														17
26 869	12 195	25 888	11 857	1	1	1	1	1	1	1	1	1	1	1711
8 101	2 966	7 767	2 833	5	3	4	4	4	4	5	4	7	5	1721
21 399	9 581	20 489	9 066	1	1	1	1	1	1	1	2	2	2	1731
														174
6 753 13 175 2 262	2 338 5 280 852	6 201 13 284 1 932	2 107 5 211 756	5 2 6	5 2 7	5 2 6	5 2 8	6 2 7	6 2 8	6 2 8	6 2 9	5 2 7	5 2 9	1741 1742 1743
7 074 958	2 459 399	7 449 944	2 486 410	5 11	4 11	6 12	5 13	5 12	5 13	5 11	5 13	8 12	5 14	175 1751 1752
13 036	5 222	11 760	4 670	2	2	2	3	3	3	3	3	2	3	1761
9 584	4 078	8 810	3 830	2	2	2	3	3	3	2	3	2	3	1771
776	397	682	345	7	7	7	8	7	9	7	9	8	10	1781
														179
3 211 1 527 5 428 153	1 193 681 2 470 71	2 770 1 524 5 451 135	1 179 665 2 400 60	4 7 3 14	4 7 3 19	4 7 3 15	4 9 3 25	4 7 4 13	4 9 4 21	4 7 3 15	5 8 4 20	6 7 4 15	6 9 4 21	1791 1793 1794 1795
2 061 7 397	887 3 091	2 067 6 695	897 2 695	4 3	4 3	3 3	3 4	5 3	5 4	5 3	5 4	3 4	3 4	1796 1799
2 392	1 040	2 329	984	3	3	3	4	3	4	3	4	3	4	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers	9.5	14.9	1.7	83.9	.222	.321	.267	.018	.013
15,16, 17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses	5.1	11.9	1.6	102.1	.149	.335	.287	.013	.007
1522	Other residential buildings	13.1	17.2	1.8	163.9	.129	.207	.560	.005	.010
1531	Operative builders	10.7	15.9	1.6	341.3	.112	.211	.460	.024	.006
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses	15.6	17.7	1.8	125.7	.177	.248	.508	.010	.008
1542	Nonresidential buildings, n.e.c.	16.9	16.5	1.7	153.2	.136	.205	.563	.007	.006
16	Heavy construction general contractors:									
1611	Highway and street construction	26.7	15.3	2.0	86.7	.207	.391	.214	.042	.035
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction	59.6	17.1	1.8	85.3	.227	(D)	.153	.038	.019
1623	Water, sewer, and utility lines	24.0	15.4	2.0	67.3	.265	.323	.168	.037	.038
1629	Heavy construction, n.e.c.	18.5	20.0	1.8	100.3	.262	.338	.151	.024	.022
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning	9.8	16.5	1.8	69.4	.296	.449	.093	.014	.011
1721	Painting, paper hanging, and decorating	6.2	10.4	1.5	31.4	.372	.257	.099	.021	.013
1731	Electrical work	11.1	16.8	1.7	60.2	.341	.440	.021	.017	.010
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework	7.0	10.1	1.3	30.6	.358	.362	.056	.020	.016
1742	Plastering, drywall, and insulation work	11.5	13.9	1.5	45.8	.343	.383	.079	.011	.010
1743	Terrazzo, tile, marble, and mosaic work	5.6	12.5	1.5	47.4	.302	.462	.034	.015	.008
175	Carpentering and flooring:									
1751	Carpentering	5.2	10.2	1.3	35.2	.322	.345	.105	.017	.010
1752	Floor laying and other floorwork	4.4	10.0	1.6	49.7	.253	.478	.073	.010	.011
1761	Roofing and sheet metal work	9.7	13.1	1.6	52.7	.299	.442	.043	.017	.010
1771	Concrete work	10.2	14.1	1.7	52.8	.299	.363	.120	.023	.020
1781	Water well drilling	6.0	13.3	2.0	73.3	.243	.458	.030	.022	.009
179	Miscellaneous special trade contractors:									
1791	Structural steel erection	14.6	17.8	1.6	54.3	.381	.293	.076	.019	.024
1793	Glass and glazing work	6.7	15.5	1.7	83.9	.259	.543	.014	.011	.009
1794	Excavating and foundation work	9.5	13.7	1.8	69.1	.238	.257	.106	.045	.061
1795	Wrecking and demolition work	7.5	12.3	1.7	46.0	.315	.170	.041	.083	.097
1796	Installing building equipment, n.e.c.	16.6	19.9	1.7	78.8	.299	.319	.017	.015	.009
1799	Special trade contractors, n.e.c.	5.9	12.9	1.6	61.4	.263	(D)	.112	.017	.015
6552	Subdividers and developers, n.e.c.	7.6	15.0	1.8	111.8	.306	.227	.261	.020	.007

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	MIAMI-FORT LAUDERDALE SCSA											
	Construction industries and subdividers and developers ..	6 378	67 762	1 099 964	4 859 278	3 459 963	2 096 993	1 471 938	1 399 316	77 894	1	1
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	899	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1522	Other residential buildings	158	1 970	34 856	264 928	122 089	72 720	(D)	142 839	1 420	3	2
1531	Operative builders	270	4 332	67 430	547 440	335 482	265 467	89 212	211 958	15 742	2	2
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	97	1 276	23 921	158 566	71 036	38 650	(D)	87 530	1 339	7	4
1542	Nonresidential buildings, n.e.c.	291	6 965	126 281	917 800	361 358	187 306	176 072	556 442	5 872	2	2
16	Heavy construction general contractors:											
1611	Highway and street construction	92	2 314	44 337	221 359	(D)	94 341	73 365	(D)	6 647	4	-
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	9	391	8 360	30 289	26 843	16 559	(D)	3 446	(D)	(W)	(W)
1623	Water, sewer, and utility lines	102	2 409	37 431	152 068	129 977	73 919	56 679	22 092	4 376	6	5
1629	Heavy construction, n.e.c.	87	1 120	21 178	99 062	81 386	46 307	36 222	17 676	3 627	5	2
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	824	8 161	141 630	493 000	435 998	228 602	(D)	57 003	6 971	3	2
1721	Painting, paper hanging, and decorating	318	2 328	25 189	68 643	57 392	41 365	(D)	11 251	886	10	8
1731	Electrical work	655	6 807	132 828	390 550	386 561	214 665	174 370	3 989	5 223	3	2
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	129	803	10 480	28 854	26 871	16 651	(D)	1 983	603	12	12
1742	Plastering, drywall, and insulation work	339	3 966	60 250	179 776	158 331	97 067	65 672	21 446	1 756	4	3
1743	Terrazzo, tile, marble, and mosaic work	116	668	8 803	25 954	24 835	13 004	12 564	1 119	187	13	8
175	Carpentering and flooring:											
1751	Carpentering	349	2 089	28 953	88 725	79 288	52 228	27 741	9 438	977	7	7
1752	Floor laying and other floorwork	77	496	5 415	17 229	(D)	(D)	8 289	(D)	(D)	18	-
1761	Roofing and sheet metal work	396	4 260	58 936	188 550	178 880	97 192	84 514	9 670	3 045	5	4
1771	Concrete work	224	4 192	69 651	216 256	179 134	113 595	70 377	37 122	4 071	3	2
1781	Water well drilling	*15	58	1 003	3 023	3 009	*2 408	*998	*14	*44	30	33
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	40	759	14 881	30 276	29 134	22 346	7 437	1 142	499	1	2
1793	Glass and glazing work	97	657	10 041	34 923	34 437	19 411	17 775	7 486	398	15	9
1794	Excavating and foundation work	135	1 310	20 260	72 781	65 288	53 591	14 548	7 493	1 633	6	5
1795	Wrecking and demolition work	8	58	791	2 840	2 699	2 353	(D)	141	53	(W)	(W)
1796	Installing building equipment, n.e.c.	60	1 274	28 197	99 166	98 215	67 755	31 032	951	2 120	2	2
1799	Special trade contractors, n.e.c.	396	2 550	36 659	131 194	117 890	70 579	50 515	13 304	2 325	7	5
6552	Subdividers and developers, n.e.c.	200	1 878	27 388	107 198	84 077	68 249	23 576	23 121	1 572	3	4
	FORT LAUDERDALE-HOLLYWOOD SMSA											
	Construction industries and subdividers and developers ..	2 834	27 527	433 919	1 891 666	1 419 366	904 529	568 784	472 300	27 248	2	1
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	370	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1522	Other residential buildings	56	827	15 627	106 288	49 584	37 862	(D)	56 705	614	4	3
1531	Operative builders	105	1 611	26 159	232 434	142 126	125 158	25 356	90 308	(D)	5	4
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	41	281	4 890	29 982	17 773	12 751	(D)	12 209	476	7	10
1542	Nonresidential buildings, n.e.c.	136	2 681	45 638	286 818	150 546	79 897	71 307	136 272	2 375	3	2

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	FORT LAUDERDALE-HOLLYWOOD SMSA—Con.											
15,16,17	Construction industries—Con.											
16	Heavy construction general contractors:											
1611	Highway and street construction -----	46	660	10 371	69 002	(D)	25 142	16 067	(D)	2 943	11	-
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	4	169	3 035	(D)	(D)	4 988	3 285	(D)	(D)	(W)	-
1623	Water, sewer, and utility lines-----	53	1 219	18 834	83 079	65 751	33 580	32 312	17 329	1 114	8	5
1629	Heavy construction, n.e.c.-----	36	573	12 174	56 475	45 678	22 339	24 074	10 797	1 411	3	2
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning-----	360	3 008	50 537	192 970	176 108	95 515	(D)	16 862	2 388	6	4
1721	Painting, paper hanging, and decorating-----	134	861	9 880	25 375	22 724	15 252	(D)	2 651	456	12	12
1731	Electrical work-----	324	2 709	46 197	135 307	133 170	82 015	51 326	2 137	2 159	5	5
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework-----	58	301	3 375	8 912	8 410	5 497	(D)	502	43	18	17
1742	Plastering, drywall, and insulation work-----	173	2 079	34 282	104 345	87 477	54 508	35 138	16 869	961	5	5
1743	Terrazzo, tile, marble, and mosaic work-----	48	300	3 904	11 583	11 045	6 816	4 614	538	(D)	15	9
175	Carpentering and flooring:											
1751	Carpentering-----	170	1 154	16 783	51 699	45 620	32 277	13 916	6 079	605	8	7
1752	Floor laying and other floorwork-----	34	175	2 149	6 573	(D)	(D)	2 932	(D)	(D)	26	-
1761	Roofing and sheet metal work-----	177	2 012	24 514	81 019	76 996	41 274	36 368	4 023	1 251	9	7
1771	Concrete work-----	80	1 615	22 962	62 815	46 730	29 100	(D)	16 085	2 412	5	5
1781	Water well drilling-----	*12	*32	*513	*1 876	*1 862	*1 454	*744	*14	*33	44	54
179	Miscellaneous special trade contractors:											
1791	Structural steel erection-----	20	346	6 436	12 780	12 338	10 105	2 404	442	319	2	3
1793	Glass and glazing work-----	48	307	6 094	20 652	20 461	10 673	(D)	191	229	15	11
1794	Excavating and foundation work-----	81	744	11 908	40 133	35 179	29 875	7 975	4 955	1 257	10	8
1795	Wrecking and demolition work-----	5	21	197	(D)	(D)	(D)	(D)	(D)	(D)	(W)	-
1796	Installing building equipment, n.e.c.-----	30	449	10 305	41 059	40 790	32 796	(D)	269	(D)	3	3
1799	Special trade contractors, n.e.c.-----	164	1 143	16 375	65 792	59 539	36 399	24 150	6 253	1 466	8	8
6552	Subdividers and developers, n.e.c.---	75	691	11 547	50 159	42 062	34 073	9 849	8 097	864	4	2
	JACKSONVILLE SMSA											
	Construction industries and subdividers and developers	1 731	21 103	369 554	1 428 030	1 067 225	635 936	462 784	360 805	20 975	2	2
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses-----	210	850	9 846	55 822	39 391	22 775	17 598	16 431	293	11	11
1522	Other residential buildings-----	31	388	7 098	77 289	24 983	10 694	14 370	52 306	637	5	2
1531	Operative builders-----	71	244	5 349	50 168	24 409	15 423	(D)	25 759	1 222	18	22
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses-----	29	520	9 148	62 443	26 043	11 246	(D)	36 400	1 096	11	8
1542	Nonresidential buildings, n.e.c.-----	97	2 240	39 110	264 497	121 193	62 967	(D)	143 305	1 091	6	5
16	Heavy construction general contractors:											
1611	Highway and street construction-----	35	795	11 032	61 321	55 180	29 272	28 185	6 141	1 516	6	5
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1623	Water, sewer, and utility lines-----	26	790	11 203	45 883	38 532	27 440	11 256	7 351	807	6	8
1629	Heavy construction, n.e.c.-----	47	747	12 731	58 496	47 778	31 433	17 286	10 718	1 652	4	4

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—		
											A	B	C
	JACKSONVILLE SMSA—Con.												
15,16,17	Construction industries—Con.												
	Special trade contractors:												
1711	Plumbing, heating, and air conditioning -----	239	5 004	120 205	319 889	276 021	166 389	111 285	43 868	2 416	3	2	
1721	Painting, paper hanging, and decorating -----	119	761	8 481	21 876	19 971	14 303	(D)	1 905	656	13	9	
1731	Electrical work -----	130	2 645	54 679	147 419	144 926	90 901	(D)	2 493	2 652	5	3	
174	Masonry, plastering, and tile setting:												
1741	Masonry, stone setting, and other stonework -----	82	505	5 299	13 482	12 804	9 077	3 810	678	522	17	11	
1742	Plastering, drywall, and insulation work -----	55	1 118	16 095	43 672	42 239	26 390	16 201	1 433	379	5	5	
1743	Terrazzo, tile, marble, and mosaic work -----	*12	66	1 030	2 565	2 547	1 521	1 113	*18	(S)	21	18	
175	Carpentering and flooring:												
1751	Carpentering -----	109	582	4 255	14 472	12 987	7 634	5 385	1 485	*710	24	23	
1752	Floor laying and other floorwork -----	44	137	1 425	4 238	4 022	2 370	(D)	*216	(S)	33	35	
1761	Roofing and sheet metal work -----	91	991	12 187	45 347	44 320	23 231	22 271	1 027	1 074	14	12	
1771	Concrete work -----	62	494	5 667	15 635	14 987	11 849	6 401	648	363	16	15	
1781	Water well drilling -----	*10	(S)	(S)	(S)	(D)	(S)	(S)	(D)	(S)	-	-	
179	Miscellaneous special trade contractors:												
1791	Structural steel erection -----	25	339	4 794	13 917	13 200	6 676	6 621	717	424	16	11	
1793	Glass and glazing work -----	18	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-	
1794	Excavating and foundation work -----	43	492	7 388	35 414	31 679	19 429	12 341	3 735	2 164	11	8	
1795	Wrecking and demolition work -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-	
1796	Installing building equipment, n.e.c. -----	10	265	4 971	16 714	16 414	10 899	5 515	300	(D)	(W)	(W)	
1799	Special trade contractors, n.e.c. -----	99	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-	
6552	Subdividers and developers, n.e.c. -----	35	157	4 012	3 888	3 142	2 580	1 298	746	163	11	10	
	MIAMI SMSA												
	Construction industries and subdividers and developers -----	3 544	40 235	666 045	2 967 613	2 040 597	1 192 464	903 154	927 016	50 646	1	1	
15,16,17	Construction industries:												
15	General building contractors and operative builders:												
152	General contractors, residential buildings:												
1521	Single-family houses -----	529	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-	
1522	Other residential buildings -----	102	1 143	19 230	158 640	72 506	34 858	39 316	86 134	806	4	3	
1531	Operative builders -----	165	2 721	41 271	315 006	193 356	140 310	63 857	121 650	(D)	3	3	
154	General contractors, nonresidential buildings:												
1541	Industrial buildings and warehouses -----	56	995	19 031	128 584	53 263	25 900	(D)	75 321	863	8	6	
1542	Nonresidential buildings, n.e.c. -----	155	4 284	80 643	630 982	210 813	107 409	104 766	420 170	3 497	2	3	
16	Heavy construction general contractors:												
1611	Highway and street construction -----	47	1 654	33 967	152 357	(D)	69 199	57 298	(D)	3 704	4	-	
162	Heavy construction, except highway:												
1622	Bridge, tunnel, and elevated highway construction -----	5	222	5 325	(D)	(D)	11 571	(D)	(D)	1 804	(W)	-	
1623	Water, sewer, and utility lines -----	49	1 190	13 597	68 989	64 226	40 339	24 367	4 763	3 262	5	9	
1629	Heavy construction, n.e.c. -----	52	547	9 004	42 587	35 708	23 968	12 148	6 879	2 217	10	4	
17	Special trade contractors:												
1711	Plumbing, heating, and air conditioning -----	465	5 153	91 093	300 030	259 890	133 087	131 437	40 141	4 583	4	3	
1721	Painting, paper hanging, and decorating -----	185	1 467	15 309	43 269	34 669	26 113	8 955	8 600	430	14	8	
1731	Electrical work -----	332	4 098	86 632	255 243	253 391	132 650	123 045	1 852	3 064	3	2	
174	Masonry, plastering, and tile setting:												
1741	Masonry, stone setting, and other stonework -----	72	502	7 105	19 942	18 461	11 154	(D)	1 481	560	15	17	
1742	Plastering, drywall, and insulation work -----	166	1 887	25 968	75 431	70 854	42 559	30 534	4 577	795	7	4	
1743	Terrazzo, tile, marble, and mosaic work -----	68	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(D)	-	-	
175	Carpentering and flooring:												
1751	Carpentering -----	179	935	12 170	37 027	33 668	19 951	13 826	3 359	*372	10	9	
1752	Floor laying and other floorwork -----	43	321	3 266	10 656	10 231	5 076	5 357	425	*54	24	22	
1761	Roofing and sheet metal work -----	219	2 248	34 422	107 531	101 884	55 917	48 146	5 647	1 794	6	5	

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	MIAMI SMSA—Con.											
15,16, 17	Construction industries—Con.											
17	Special trade contractors—Con.											
175	Carpentering and flooring—Con.											
1771	Concrete work -----	144	2 577	46 689	153 441	132 404	84 496	(D)	21 037	1 660	4	2
1781	Water well drilling -----	*3	26	490	1 147	1 147	954	254	-	*11	38	28
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	20	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1793	Glass and glazing work -----	49	350	3 947	14 271	13 976	8 738	(D)	295	170	26	18
1794	Excavating and foundation work -----	54	566	8 352	32 648	30 110	23 716	6 573	2 539	377	6	7
1795	Wrecking and demolition work -----	3	37	594	(D)	(D)	(D)	(D)	(D)	(D)	(W)	-
1796	Installing building equipment, n.e.c. -----	30	825	17 892	58 107	57 425	34 960	(D)	682	(D)	3	2
1799	Special trade contractors, n.e.c. -----	232	1 408	20 284	65 402	58 351	34 180	26 364	7 051	859	10	8
6552	Subdividers and developers, n.e.c. -----	125	1 187	15 841	57 039	42 015	34 177	13 728	15 024	709	5	7
	TAMPA-ST. PETERSBURG SMSA											
	Construction industries and subdividers and developers	4 177	42 502	609 373	3 053 016	2 260 031	1 330 128	998 971	792 985	52 906	1	1
15,16, 17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses -----	543	3 598	43 038	499 834	414 884	244 626	174 875	84 950	6 243	6	2
1522	Other residential buildings -----	52	1 425	26 129	204 671	80 315	45 362	35 594	124 356	585	1	1
1531	Operative builders -----	230	2 408	40 635	423 080	214 998	128 720	95 465	208 082	6 822	7	3
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses -----	47	549	9 727	60 683	33 217	16 878	16 594	27 466	590	10	16
1542	Nonresidential buildings, n.e.c. -----	192	2 985	44 784	327 560	144 215	77 369	68 191	183 345	2 317	6	6
16	Heavy construction general contractors:											
1611	Highway and street construction -----	50	1 682	26 868	116 703	80 690	39 887	48 161	36 013	3 435	2	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction -----	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1623	Water, sewer, and utility lines -----	73	2 119	35 083	122 797	104 046	68 067	(D)	18 751	6 107	4	3
1629	Heavy construction, n.e.c. -----	65	1 642	32 608	122 961	110 774	65 893	45 158	12 188	3 439	5	4
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning -----	517	5 415	78 324	283 883	258 634	145 743	132 036	25 249	4 856	4	4
1721	Painting, paper hanging, and decorating -----	274	1 498	13 984	39 552	35 055	24 989	10 259	4 498	*1 492	19	13
1731	Electrical work -----	306	3 951	56 342	172 427	166 521	90 412	78 900	5 906	2 783	5	4
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework -----	156	1 105	10 119	29 251	27 945	17 340	10 798	1 306	263	16	11
1742	Plastering, drywall, and insulation work -----	182	2 484	38 249	112 808	106 442	65 635	44 417	6 366	1 254	7	5
1743	Terrazzo, tile, marble, and mosaic work -----	73	517	6 067	20 982	20 505	10 926	9 597	477	257	15	15
175	Carpentering and flooring:											
1751	Carpentering -----	258	1 216	11 764	35 678	31 868	21 109	11 356	3 811	*548	12	14
1752	Floor laying and other floorwork -----	41	229	2 121	10 504	9 881	5 410	4 582	*623	*103	31	30
1761	Roofing and sheet metal work -----	252	2 669	36 064	119 559	113 640	64 730	52 182	5 919	1 156	6	6
1771	Concrete work -----	213	1 357	15 010	51 432	48 448	26 723	23 393	2 984	1 536	10	9
1781	Water well drilling -----	36	254	2 629	7 900	7 808	4 439	3 369	92	*171	35	22
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	56	920	17 603	45 606	43 640	32 267	11 835	1 966	1 395	6	6
1793	Glass and glazing work -----	52	363	5 262	21 615	21 280	9 313	12 292	*335	*407	17	15
1794	Excavating and foundation work -----	81	1 100	15 514	70 176	60 980	42 179	18 859	9 196	3 941	8	7
1795	Wrecking and demolition work -----	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c. -----	25	310	6 203	20 571	19 767	13 516	6 561	804	83	6	5
1799	Special trade contractors, n.e.c. -----	307	1 539	17 883	71 697	61 291	35 273	29 750	10 406	1 014	9	7
6552	Subdividers and developers, n.e.c. -----	93	481	6 907	21 259	15 483	11 801	4 938	5 776	805	11	14

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SUMMARY OF FINDINGS

During 1982, 30,145 establishments in Georgia operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$8.1 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 20,019 establishments in this State with no payroll accounted for about 12 percent of all business receipts for all construction establishments in Georgia. On the other hand, 10,126 establishments classified as "employers" accounted for 88 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$7.1 billion, of which \$6.9 billion were receipts for construction work. These establishments paid \$1.8 billion for construction work subcontracted to others, leaving net construction receipts of about \$5.0 billion. Value added for these establishments amounted to \$2.8 billion. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Georgia paid \$2.2 billion for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$139 million were also made for selected power, fuels, and

lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Georgia was 106 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 34.1 million hours, while hours worked during the third quarter were 38.9 million hours.

Total payroll for 1982 was \$1.5 billion. Payments of \$275 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Georgia are based on a sample of about 4,200 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent for column J)
		Number	Proprietors and working partners	All em- ployees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All em- ployees**	All business receipts	
		A	B	C	D	E	F	G	H	I	J	K	
15,16, 17	1982												
	Construction industries and subdividers and developers -----	30 145	23 005	106 130	8 055 144	20 019	19 575	974 152	10 126	3 430	106 130	7 080 992	1
	Construction industries¹ -----	29 395	22 546	104 853	7 816 511	19 436	19 129	843 992	9 959	3 417	104 853	6 972 519	1
	General building contractors and operative builders -----	7 620	5 176	26 977	3 325 251	4 805	4 441	421 278	2 815	735	26 977	2 903 973	2
	Heavy construction, general contractors _	1 118	570	20 222	1 321 001	332	335	30 847	786	235	20 222	1 290 154	1
	Special trade contractors -----	20 657	16 800	57 654	3 170 259	14 299	14 353	391 867	6 358	2 447	57 654	2 778 392	2
	Plumbing, heating, and air conditioning----	2 709	1 769	12 195	784 578	1 282	1 286	48 815	1 427	483	12 195	735 763	3
	Electrical work -----	1 757	1 124	11 688	659 953	927	913	27 092	830	211	11 688	632 861	2
	Subdividers and developers, n.e.c.² -----	743	458	1 271	238 626	583	446	130 160	160	*12	1 271	108 466	6
15,16, 17	1977												
	Construction industries and subdividers and developers -----	27 986	23 329	100 599	4 821 998	17 058	17 135	442 606	10 928	6 194	100 599	4 379 392	1
	Construction industries¹ -----	27 574	22 960	99 338	4 734 513	16 750	16 794	410 053	10 824	6 166	99 338	4 324 460	1
	General building contractors and operative builders -----	7 110	5 118	29 689	2 069 268	3 398	3 251	227 639	3 712	1 867	29 689	1 841 629	2
	Heavy construction, general contractors _	1 357	859	20 534	1 001 827	549	551	18 028	808	308	20 534	983 799	1
	Special trade contractors -----	19 107	16 983	49 115	1 663 418	12 803	12 992	164 386	6 304	3 991	49 115	1 499 032	2
	Plumbing, heating, and air conditioning----	2 730	2 143	12 126	482 980	1 356	1 382	27 386	1 374	761	12 126	455 594	3
	Electrical work -----	1 776	1 320	8 654	302 103	874	874	12 255	902	446	8 654	289 848	3
	Subdividers and developers, n.e.c.² -----	415	369	1 263	87 491	308	341	32 553	107	28	1 263	54 938	8

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1982													
The State	30 145	23 005	106 130	8 055 144	20 019	19 575	974 152	10 126	3 430	106 130	7 080 992	1	1
\$10,000,000 or more	95	16	19 636	2 261 643	3	2	36 823	92	14	19 636	2 224 820	(W)	(W)
\$5,000,000 to \$9,999,999	150	5	13 286	1 058 426	3	4	21 076	147	1	13 286	1 037 350	(W)	(W)
\$2,500,000 to \$4,999,999	295	22	13 165	1 028 429	17	18	56 930	278	4	13 165	971 499	(W)	(W)
\$1,000,000 to \$2,499,999	750	102	16 719	1 146 560	62	55	91 653	688	47	16 719	1 054 907	3	3
\$500,000 to \$999,999	1 220	276	13 251	833 525	159	116	106 875	1 061	160	13 251	726 650	4	4
\$250,000 to \$499,999	1 825	606	11 241	638 733	414	329	142 385	1 411	277	11 241	496 348	5	5
\$100,000 to \$249,999	3 750	2 094	10 916	586 133	1 208	1 067	184 988	2 542	1 027	10 916	401 145	4	4
\$50,000 to \$99,999	3 331	2 563	4 292	237 555	1 796	1 755	124 699	1 535	808	4 292	112 856	7	5
\$25,000 to \$49,999	3 767	3 203	1 922	133 367	2 703	2 695	94 257	1 064	508	1 922	39 110	7	6
Less than \$25,000	14 961	14 117	1 700	130 770	13 654	13 534	114 466	1 307	583	1 700	16 304	6	5
\$10,000 to \$24,999	(NA)	(NA)	(NA)	(NA)	4 993	4 950	77 335	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	3 811	3 784	26 067	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999	(NA)	(NA)	(NA)	(NA)	3 191	3 168	9 405	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000	(NA)	(NA)	(NA)	(NA)	1 659	1 632	1 659	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977													
The State	27 986	23 329	100 599	4 821 998	17 058	17 135	442 606	10 928	6 194	100 599	4 379 392	1	1
\$10,000,000 or more	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 ²	130	13	23 213	(D)	1	—	(D)	129	13	23 213	1 527 115	(W)	(W)
\$2,500,000 to \$4,999,999	148	13	11 755	(D)	1	—	(D)	147	13	11 755	505 853	(W)	1
\$1,000,000 to \$2,499,999	486	65	14 144	2 765 280	17	15	32 859	469	50	14 144	699 453	2	3
\$500,000 to \$999,999	854	219	11 488	591 031	103	82	66 450	751	137	11 488	524 581	2	4
\$250,000 to \$499,999	1 576	713	13 094	543 705	183	147	61 531	1 393	566	13 094	482 174	4	5
\$100,000 to \$249,999	3 107	2 028	13 946	498 197	504	478	80 019	2 603	1 550	13 946	418 178	4	4
\$50,000 to \$99,999	2 643	2 091	6 436	188 751	728	777	49 682	1 915	1 314	6 436	139 069	6	6
\$25,000 to \$49,999	3 162	2 809	3 859	111 159	1 494	1 550	51 056	1 668	1 259	3 859	60 103	8	7
Less than \$25,000	15 881	15 379	(S)	123 876	14 027	14 086	101 009	(S)	(S)	(S)	(S)	—	—
\$10,000 to \$24,999	5 062	4 823	1 889	77 756	3 930	3 982	59 035	1 132	841	1 889	18 721	11	9
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	4 282	4 288	28 807	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999	(NA)	(NA)	(NA)	(NA)	3 983	3 985	11 700	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500	(NA)	(NA)	(NA)	(NA)	1 832	1 831	1 467	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers -----	10 126	106 130	88 225	1 548 390	1 186 662	145 539	6 853 334	5 003 363
15,16, 17	Construction Industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	1 461	6 690	5 539	70 392	54 343	8 246	425 274	297 777
1522	Other residential buildings -----	151	1 973	1 642	31 147	21 564	3 022	328 176	130 327
1531	Operative builders -----	511	3 336	1 876	43 102	19 476	2 782	1376 455	235 260
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	155	3 979	3 213	63 668	45 491	6 042	390 692	181 782
1542	Nonresidential buildings, n.e.c. -----	537	10 999	8 546	173 558	114 958	13 427	1 295 132	573 810
16	Heavy construction general contractors:								
1611	Highway and street construction -----	261	6 615	5 907	92 604	74 975	10 774	498 107	408 283
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	25	1 364	1 185	19 730	15 444	2 224	80 686	66 735
1623	Water, sewer, and utility lines -----	288	7 823	6 862	116 387	95 728	12 907	378 293	330 073
1629	Heavy construction, n.e.c. -----	212	4 420	3 785	82 092	66 245	7 150	290 185	228 849
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning -----	1 427	12 195	9 702	188 330	138 373	16 078	728 023	642 412
1721	Painting, paper hanging, and decorating -----	476	3 708	3 316	49 247	42 039	5 106	108 258	102 970
1731	Electrical work -----	830	11 688	9 855	216 829	179 809	18 026	620 470	591 960
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	471	3 066	2 913	27 727	25 230	3 629	71 342	69 248
1742	Plastering, drywall, and insulation work -----	330	4 984	4 418	65 986	55 396	6 605	195 091	175 737
1743	Terrazzo, tile, marble, and mosaic work -----	91	622	578	8 095	7 025	741	28 640	28 257
175	Carpentering and flooring:								
1751	Carpentering -----	560	2 826	2 636	24 766	22 041	3 277	86 083	67 725
1752	Floor laying and other floorwork -----	159	764	598	11 382	7 742	947	46 966	44 533
1761	Roofing and sheet metal work -----	413	4 937	4 280	62 304	48 308	5 964	210 313	200 520
1771	Concrete work -----	349	3 118	2 686	32 629	27 393	4 029	122 317	111 325
1781	Water well drilling -----	107	404	378	4 056	2 052	660	25 152	24 744
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	87	1 237	1 099	24 924	20 677	1 854	55 466	53 361
1793	Glass and glazing work -----	76	739	549	12 671	8 180	933	46 330	45 827
1794	Excavating and foundation work -----	316	2 026	1 802	27 687	23 895	3 168	119 516	108 754
1795	Wrecking and demolition work -----	8	102	82	1 241	973	110	3 128	(D)
1796	Installing building equipment, n.e.c. -----	129	1 991	1 680	40 261	32 111	2 847	114 251	110 634
1799	Special trade contractors, n.e.c. -----	529	3 247	2 642	40 782	29 585	4 169	142 296	(D)
6552	Subdividers and developers, n.e.c. -----	160	1 271	481	15 957	5 603	803	166 688	36 949

†Land receipts for SIC 1531 were \$47,143; for SIC 6552 were \$38,845.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
2 846 983	2 298 048	1 849 971	77 150	118 169	1 174 461	100 599	4 216 349	1 759 556	1	1	2	15,16, 17
156 981 58 447	149 297 76 277	127 496 197 849	3 819 1 871	5 221 3 081	46 853 15 426	10 488 1 572	442 509 87 011	133 234 20 231	5 6	5 2	6 2	152 1521 1522
111 915	130 691	141 195	1 176	3 040	59 850	3 603	329 460	63 131	6	5	7	1531
96 888 298 130	89 611 291 818	208 910 721 321	2 880 8 743	6 017 6 688	37 890 65 536	5 361 8 665	291 615 608 730	99 194 150 160	3 2	3 2	2 3	154 1541 1542
218 026	212 374	89 824	9 497	14 541	229 590	8 725	442 664	214 370	2	1	(W)	1611
38 799 194 825 150 808	(D) 141 880 92 173	13 951 48 220 61 336	824 7 022 3 569	2 763 21 343 6 473	36 749 156 500 56 065	1 486 4 984 5 339	77 981 157 601 287 223	28 699 92 024 121 697	1 2 4	1 2 3	1 4 8	162 1622 1623 1629
319 918	330 234	85 610	7 434	9 167	95 070	12 126	449 778	213 030	3	2	4	1711
77 525	25 739	5 288	1 635	2 895	13 308	3 026	59 577	43 214	6	4	4	1721
375 395	228 956	28 510	8 455	8 913	70 117	8 654	285 231	165 891	2	2	4	1731
42 821 104 694 15 209	26 781 79 126 13 079	2 094 19 353 383	831 1 390 186	744 2 000 *109	15 709 14 848 1 615	3 274 4 985 669	48 412 139 984 14 804	31 099 77 552 7 999	10 4 15	9 3 12	13 5 41	174 1741 1742 1743
43 521 20 687	24 982 27 356	18 358 2 433	596 436	1 367 315	7 333 3 565	1 691 955	34 703 32 295	23 709 14 373	9 14	7 15	13 22	175 1751 1752
105 089	97 247	9 793	2 214	3 949	28 854	4 028	100 483	57 755	5	4	5	1761
66 376	48 020	10 991	1 834	1 542	28 934	1 492	40 324	24 145	8	7	9	1771
14 094	10 698	408	113	358	11 729	544	21 327	10 977	16	15	19	1781
44 071 25 507 77 475 2 633 75 491 84 135	13 042 24 300 33 285 367 36 177 (D)	2 105 503 10 762 (D) 3 617 (D)	1 260 647 6 677 243 1 402 1 930	3 081 1 222 7 010 262 1 211 2 831	19 933 5 931 78 799 3 597 12 000 24 608	1 276 603 1 298 142 1 191 3 161	29 087 19 934 46 016 3 463 49 922 88 442	24 989 10 761 32 415 3 179 32 732 53 655	7 11 7 (W) 3 6	7 10 6 — 1 —	6 14 8 (W) 9 9	179 1791 1793 1794 1795 1796 1799
27 513	12 369	29 739	458	2 021	33 965	1 263	28 177	9 346	6	9	2	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	10 126	10 928	12 842	8 383	2	2	3	2
Number of establishments in business at end of year	9 904	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Proprietors and working partners	3 430	6 194	9 016	6 696	4	4	4	4
All employees**	106 130	100 599	113 318	86 665	1	1	2	1
Construction workers:								
March	85 126	78 290	88 322	73 348	1	1	2	1
May	87 926	87 454	94 003	75 432	1	1	2	1
August	91 469	92 234	103 611	78 720	1	1	2	1
November	85 054	87 830	97 533	75 146	1	1	2	1
Average	88 225	86 505	97 149	76 315	1	1	2	1
Other employees:								
March	17 638	13 589	15 235	9 482	2	2	2	2
Construction worker hours (thousands):								
January to March	34 149	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
April to June	36 713	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
July to September	38 894	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
October to December	35 781	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Total hours worked	145 539	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Payroll, all employees	1 548 390	1 000 898	828 595	443 433	1	1	2	1
Payroll, construction workers	1 186 662	788 355	659 274	362 969	1	1	2	1
Payroll, other employees	361 728	212 543	169 321	80 474	1	1	2	1
First quarter payroll, all employees	351 394	208 261	(NA)	(NA)	1	1	(NA)	(NA)
Employer costs for fringe benefits	274 710	158 295	(NA)	(NA)	1	1	(NA)	(NA)
Legally required expenditures	212 538	105 325	(NA)	(NA)	1	1	(NA)	(NA)
Voluntary expenditures	62 172	52 971	(NA)	(NA)	1	1	(NA)	(NA)
All business receipts	7 080 992	4 379 392	3 780 175	2 030 620	1	1	2	1
Total construction receipts	6 853 334	4 216 749	3 640 474	1 962 828	1	1	2	1
Receipts for work subcontracted in from others	1 554 665	929 059	722 806	359 120	2	1	3	4
Land receipts ¹	85 988	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Other business receipts	141 669	162 642	139 701	67 904	2	4	6	5
Net construction receipts†	5 003 363	3 219 980	2 694 348	1 467 453	1	1	2	1
Value added††	2 846 983	1 759 556	1 491 009	830 502	1	1	2	1
Selected payments	4 148 020	2 556 326	2 227 288	1 172 407	1	1	2	1
Materials, components, and supplies ²	2 159 180	1 478 239	1 281 162	677 581	1	1	2	1
Construction work subcontracted to others	1 849 971	996 769	946 126	495 393	1	2	2	2
Selected power, fuels, and lubricants	138 868	81 318	(NA)	(NA)	2	1	(NA)	(NA)
Electricity	18 040	9 430	(NA)	(NA)	2	2	(NA)	(NA)
Natural gas	5 826	3 833	(NA)	(NA)	2	4	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	105 824	57 984	(NA)	(NA)	2	1	(NA)	(NA)
Other, including lubricating oils and greases	9 177	10 075	(NA)	(NA)	3	3	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	2 782	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	77 150	47 550	(NA)	(NA)	2	2	(NA)	(NA)
For machinery and equipment	60 500	39 610	34 693	15 270	2	2	5	3
For structures	16 649	7 940	(NA)	(NA)	3	3	(NA)	(NA)
Selected purchased services	111 332	92 593	(NA)	(NA)	1	3	(NA)	(NA)
Communication services	27 203	21 549	(NA)	(NA)	2	5	(NA)	(NA)
Repairs to structures and related facilities	5 127	3 550	(NA)	(NA)	3	4	(NA)	(NA)
Repairs to machinery and equipment	79 001	67 495	(NA)	(NA)	1	3	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	6 853 334	4 216 749	3 640 474	1 962 828	1	1	2	1
Government owned	1 504 343	1 079 064	906 834	666 226	2	1	2	2
Privately owned	5 348 991	3 137 685	2 733 640	1 296 602	1	1	2	2

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	1 128 324	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	118 169	123 622	118 796	61 169	2	3	4	5
New -----	85 161	97 331	100 760	54 071	2	4	4	5
Used -----	33 008	26 292	18 036	7 098	4	6	7	7
Retirements and disposition of depreciable assets -----	72 032	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	1 174 461	778 050	534 904	(NA)	1	1	3	(NA)
Depreciation charges during year -----	157 816	81 384	65 788	(NA)	2	2	3	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	214 512	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	20 514	16 340	22 592	19 058	2	19	14	8
New structures and related facilities -----	17 693	13 687	18 560	17 259	1	21	14	5
Used structures and related facilities -----	2 821	2 653	4 032	1 799	9	17	14	11
Retirements and disposition of depreciable assets -----	28 404	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	206 622	164 111	103 492	(NA)	3	3	8	(NA)
Depreciation charges during year -----	21 398	7 999	6 337	(NA)	7	4	6	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	913 812	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	97 655	107 283	96 204	42 111	2	4	6	7
New machinery and equipment, including automobiles and trucks -----	67 468	83 644	82 200	36 812	3	3	4	6
New automobiles and trucks, intended primarily for highway use -----	26 658	36 046	(NA)	(NA)	3	2	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	30 187	23 639	14 004	5 299	3	6	8	8
Retirements and disposition of depreciable assets -----	43 627	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	967 839	613 939	431 412	(NA)	1	1	2	(NA)
Depreciation charges during year -----	136 417	73 385	59 451	(NA)	2	2	3	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	10 126	2
Total construction receipts	6 853 334	1
Establishments with inventories:		
Number	1 913	9
Total construction receipts	2 114 977	1
Inventories¹:		
End of 1982, total	108 507	6
Value for establishments with LIFO reserve	*7 652	58
Amount of LIFO reserve	607	9
Value for establishments with no LIFO reserve	100 855	4
End of 1981, total	103 685	7
Value for establishments with LIFO reserve	*6 973	64
Amount of LIFO reserve	810	10
Value for establishments with no LIFO reserve	96 712	6
Establishments with no inventories:		
Number	8 213	2
Total construction receipts	4 738 357	1

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

(Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes)

Selected statistics	Establishments with an average of—										1,000 employees or more
	Total	1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees		
1982											
Number of establishments	10 126	5 894	1 976	1 151	763	217	98	17	7	2	
All employees**	106 130	12 016	13 156	15 730	22 584	15 448	13 969	5 487	7 740	(D)	
Payroll, all employees	1 548 390	115 717	147 545	212 529	329 336	271 045	246 101	92 112	134 004	(D)	
Construction worker hours (thousands)	145 539	14 995	16 016	20 171	29 788	22 639	21 310	8 458	12 158	(D)	
All business receipts	7 080 992	673 193	681 830	914 415	1 454 150	1 338 507	1 545 985	(D)	472 910	(D)	
Total construction receipts	6 853 334	646 483	661 353	892 923	1 395 824	1 295 228	1 074 606	428 108	458 809	(D)	
Net construction receipts†	5 003 363	515 001	548 833	709 984	1 055 583	843 794	701 584	317 780	310 802	(D)	
Value added††	2 846 983	275 372	306 626	390 479	602 288	488 517	401 733	177 975	203 991	(D)	
Payments for materials, components, supplies, and fuels	2 298 048	248 794	252 612	331 028	490 635	388 267	320 395	145 404	120 912	(D)	
Payments for construction work subcontracted to others	1 849 971	131 482	112 519	182 938	340 240	451 433	373 022	110 328	148 007	(D)	
Rental payments for machinery, equipment, and structures	77 150	5 373	6 281	10 688	13 992	16 316	13 011	6 568	4 919	(D)	
Capital expenditures, other than land	118 169	11 532	10 988	20 372	23 324	18 930	18 471	5 694	8 857	(D)	
End-of-year gross book value of depreciable assets	1 174 461	131 851	125 803	181 314	247 728	177 446	168 298	66 758	75 260	(D)	
1977											
All employees**	100 599	13 550	14 294	16 403	18 081	11 853	11 022	10 252	5 144	(D)	
Total construction receipts	4 216 749	562 176	478 124	561 059	787 721	546 668	550 293	730 708	(D)	(D)	
Value added††	1 759 556	194 903	202 863	245 689	319 601	236 309	241 871	185 834	132 487	(D)	
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	3	4	3	3	(W)	(W)	(W)	(W)	—	
Net construction receipts†	1	4	4	3	2	(W)	(W)	(W)	(W)	—	
Capital expenditures, other than land	2	8	9	9	1	(W)	(W)	(W)	(W)	—	

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

(Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes)

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments	10 126	1 307	1 064	1 535	2 542	1 411	1 061	688	278	147	92
All employees**	106 130	1 700	1 922	4 292	10 916	11 241	13 251	16 719	13 165	13 286	19 636
Payroll, all employees	1 548 390	5 125	11 338	29 806	104 368	129 013	175 604	252 387	215 538	246 512	378 698
Construction worker hours (thousands)	145 539	1 576	2 102	4 447	13 050	13 734	17 823	22 386	19 108	20 676	30 632
All business receipts	7 080 992	16 304	39 110	112 856	401 145	496 348	726 650	1 054 907	971 499	1 037 350	2 224 820
Total construction receipts	6 853 334	15 810	38 468	110 544	392 382	482 380	706 772	1 019 972	942 184	1 004 643	2 140 177
Net construction receipts†	5 003 363	14 112	34 509	99 332	343 787	406 670	593 670	830 327	689 869	764 203	1 226 882
Value added††	2 846 983	8 740	20 938	57 571	194 238	235 663	314 082	458 957	398 117	443 018	715 656
Payments for materials, components, supplies, and fuels	2 298 048	5 629	13 863	43 053	153 819	179 126	290 544	390 584	313 482	346 679	561 266
Payments for construction work subcontracted to others	1 849 971	1 698	3 959	11 212	48 595	75 710	113 102	189 645	252 315	240 440	913 295
Rental payments for machinery, equipment, and structures	77 150	241	382	1 080	3 825	5 622	8 159	11 582	13 092	11 826	21 338
Capital expenditures, other than land	118 169	*122	587	2 262	8 135	10 081	14 178	20 273	20 766	13 723	28 040
End-of-year gross book value of depreciable assets	1 174 461	4 882	11 267	24 847	97 323	102 876	145 655	191 377	188 197	159 332	248 702
1977											
All employees**	100 599	(S)	3 859	6 436	13 946	13 094	11 488	14 144	11 755	123 213	(NA)
Total construction receipts	4 216 749	(S)	59 473	135 830	405 537	465 649	504 244	655 958	485 081	1 482 221	(NA)
Value added††	1 759 556	(S)	31 731	69 107	181 230	195 105	202 922	274 733	222 265	1 570 087	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	6	7	7	4	5	4	3	(W)	(W)	(W)
Net construction receipts†	1	6	6	5	4	4	4	3	(W)	(W)	(W)
Capital expenditures, other than land	2	45	17	14	10	10	10	5	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

*Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair			
	A	B	C	A	B	C
1982						
Total construction receipts†	6 853 334	5 794 013	1 059 321	1	1	2
Building construction	4 832 244	4 180 873	651 371	1	1	2
Single-family houses	1 190 947	1 006 573	184 373	3	3	5
Single-family houses, detached	1 004 089	840 977	163 111	3	3	5
Single-family houses, attached	186 858	165 596	21 261	5	6	9
Apartment buildings with two or more apartments	323 485	277 913	45 571	2	2	12
Other residential buildings	289 713	273 313	16 399	2	1	9
Office and bank buildings	950 667	865 700	84 966	1	1	2
Office buildings	843 934	775 860	68 073	1	1	3
Bank buildings and other financial institutions	106 733	89 839	16 893	3	3	5
Industrial buildings and warehouses	965 609	765 664	199 945	1	1	2
Industrial buildings	715 387	540 552	174 834	1	1	3
Warehouses	250 222	225 111	25 111	3	2	6
Stores, restaurants, public garages, and automobile service stations	490 027	435 477	54 550	2	2	5
Religious buildings	62 275	51 952	10 323	5	5	5
Educational buildings	204 185	180 989	23 195	3	3	6
Hospitals and institutional buildings	240 747	220 118	20 628	2	2	4
Amusement, social, and recreational buildings	35 667	32 192	3 475	6	7	13
Other nonresidential buildings	78 922	70 982	7 946	5	5	6
Nonbuilding construction	1 529 077	1 215 140	313 936	1	1	2
Highways, streets, and related facilities	526 863	367 225	159 638	1	1	2
Bridges, tunnels, and elevated highways	72 538	67 735	4 802	1	(W)	17
Bridges and elevated highways	67 570	64 908	2 662	(W)	(W)	(W)
Tunnels	4 968	2 827	2 140	18	11	39
Marine construction	32 236	21 587	10 648	3	4	6
Power and communication transmission lines, towers, and related facilities	223 247	203 568	19 679	2	2	11
Sewers, water mains, and related facilities	178 910	161 538	17 372	4	4	6
Sewers, sewer lines, and related facilities	111 540	103 742	7 797	6	6	7
Water mains and related facilities	67 370	57 795	9 574	5	5	8
Pipeline, other than sewer or water lines	61 274	46 595	14 679	5	7	7
Sewage treatment and water treatment plants	65 630	61 549	4 081	2	2	3
Sewage treatment plants	43 520	42 318	1 202	3	3	7
Water treatment plants	22 110	19 231	2 878	1	2	3
Mass transit construction	59 992	46 055	13 937	5	4	14
Subways	25 052	24 655	397	2	2	(W)
Railroads	34 939	21 399	13 539	9	9	15
Heavy industrial facilities	164 406	127 672	36 733	1	1	3
Blast furnaces, petroleum refineries, and chemical complexes	25 185	20 767	4 418	6	5	7
Power plants	139 220	106 905	32 315	1	(W)	3
Power plants, nuclear	37 132	30 767	6 365	3	(W)	16
Power plants, except nuclear	102 087	76 137	25 949	(W)	1	(W)
Other nonbuilding construction	143 981	111 616	32 367	20	24	14
Construction work, n.s.k.	492 012	397 999	94 013	4	4	3
1977						
Total construction receipts†	4 216 749	3 568 873	647 876	1	1	1
Building construction	2 830 079	2 377 337	452 742	1	1	2
Single-family houses	1 011 813	859 716	152 097	3	3	4
Apartment buildings with two or more apartments	108 985	72 394	36 591	4	5	6
Other residential buildings	66 183	54 252	11 931	4	4	4
Office and bank buildings	322 643	276 846	45 797	1	1	3
Industrial buildings and warehouses	589 413	482 796	106 617	1	1	2
Stores, restaurants, public garages, and automobile service stations	245 987	201 222	44 765	3	3	4
Religious buildings	49 334	42 704	6 630	3	3	8
Educational buildings	182 474	168 731	13 743	2	2	3
Hospitals and institutional buildings	178 347	154 541	23 806	1	1	2
Other nonresidential buildings	74 899	64 135	10 764	6	7	10
Nonbuilding construction	1 198 236	1 031 070	167 166	1	1	2
Highways, streets, and related facilities	422 267	358 999	63 268	1	1	2
Bridges, tunnels, and elevated highways	80 512	78 928	1 584	(W)	(W)	(W)
Power and communication transmission lines, towers, and related facilities	80 634	69 262	11 372	1	1	4
Sewers, water mains, and related facilities	120 419	106 423	13 996	5	5	13
Pipeline, other than sewer or water lines	45 182	34 964	10 218	5	3	10
Sewage treatment and water treatment plants	65 024	64 169	855	3	3	6
Mass transit construction	95 778	84 395	11 383	3	2	10
Subways	67 748	(D)	(D)	(W)	-	-
Railroads	28 030	(D)	(D)	10	-	-
Blast furnaces, petroleum refineries, and chemical complexes	73 626	52 484	21 142	1	(W)	2
Power plants	97 837	80 196	17 641	2	3	(W)
Power plants, nuclear	17 391	16 456	935	12	13	(W)
Power plants, except nuclear	80 446	63 740	16 706	(W)	(W)	(W)
Other nonbuilding construction	116 957	101 250	15 707	5	5	12
Construction work, n.s.k.	188 473	160 246	28 227	4	4	6

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and subdividers and developers-----	10 126	88 225	145 539	85 126	34 149	87 926	36 713
15,16, 17	Construction industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses -----	1 461	5 539	8 246	5 180	1 994	5 540	2 055
1522	Other residential buildings -----	151	1 642	3 022	1 618	690	1 647	748
1531	Operative builders -----	511	1 876	2 782	1 777	664	1 840	715
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses -----	155	3 213	6 042	3 651	1 673	3 250	1 565
1542	Nonresidential buildings, n.e.c. -----	537	8 546	13 427	8 615	3 229	8 659	3 415
16	Heavy construction general contractors:							
1611	Highway and street construction -----	261	5 907	10 774	5 140	2 067	5 920	2 760
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction -----	25	1 185	2 224	1 006	470	1 208	584
1623	Water, sewer, and utility lines -----	288	6 862	12 907	6 205	2 755	6 802	3 182
1629	Heavy construction, n.e.c. -----	212	3 785	7 150	3 702	1 691	3 884	1 831
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning -----	1 427	9 702	16 078	9 418	3 921	9 508	4 056
1721	Painting, paper hanging, and decorating ----	476	3 316	5 106	3 112	1 156	3 514	1 319
1731	Electrical work -----	830	9 855	18 026	10 097	4 547	9 804	4 518
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework -----	471	2 913	3 629	2 790	882	2 770	854
1742	Plastering, drywall, and insulation work ----	330	4 418	6 605	4 020	1 481	4 197	1 588
1743	Terrazzo, tile, marble, and mosaic work ----	91	578	741	530	176	571	191
175	Carpentering and flooring:							
1751	Carpentering -----	560	2 636	3 277	2 475	720	2 545	841
1752	Floor laying and other floorwork -----	159	598	947	580	229	553	226
1761	Roofing and sheet metal work -----	413	4 280	5 964	4 339	1 500	4 298	1 465
1771	Concrete work -----	349	2 686	4 029	2 397	838	2 654	1 008
1781	Water well drilling -----	107	348	668	375	187	374	185
179	Miscellaneous special trade contractors:							
1791	Structural steel erection -----	87	1 099	1 854	1 056	423	1 154	494
1793	Glass and glazing work -----	76	549	933	539	236	524	225
1794	Excavating and foundation work -----	316	1 802	3 168	1 720	701	1 753	800
1795	Wrecking and demolition work -----	8	82	110	101	28	80	28
1796	Installing building equipment, n.e.c. -----	129	1 680	2 847	1 729	724	1 773	765
1799	Special trade contractors, n.e.c. -----	529	2 642	4 169	2 442	937	2 609	1 066
6552	Subdividers and developers, n.e.c. -----	160	481	803	507	216	488	214

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
91 459	38 894	85 054	35 781	1	1	1	1	1	1	1	1	1	1	15,16, 17
														15
5 674 1 664	2 157 782	5 391 1 594	2 038 800	5 7	5 2	5 6	6 3	5 8	6 3	5 10	6 3	5 6	6 3	152 1521 1522
2 002	735	1 744	667	8	7	9	9	8	8	10	9	8	8	1531
3 137 8 761	1 506 3 581	2 741 7 909	1 297 3 200	3 1	2 2	3 1	3 2	3 1	3 2	3 1	3 2	3 2	3 2	154 1541 1542
														16
6 481	3 137	6 019	2 809	2	2	2	2	2	2	2	2	2	2	1611
														162
1 319 7 442 3 827	613 3 647 1 827	1 182 6 922 3 690	555 3 322 1 800	1 2 3	1 2 3	2 2 4	2 2 3	1 2 4	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1622 1623 1629
														17
9 738	4 081	9 679	4 018	3	2	3	3	3	3	3	3	3	3	1711
3 490	1 406	2 966	1 223	6	5	6	7	7	7	6	6	6	7	1721
10 041	4 689	9 152	4 269	2	2	2	2	2	2	3	3	3	3	1731
														174
3 060 4 631 576	968 1 804 186	2 828 4 692 602	923 1 730 187	10 4 16	10 4 14	10 4 15	12 5 19	11 4 15	12 4 17	10 5 17	11 5 16	11 5 17	12 5 20	1741 1742 1743
2 611 653	887 252	2 729 551	827 239	9 15	8 14	9 18	10 18	9 15	9 17	9 15	9 16	14 13	10 17	175 1751 1752
4 308	1 528	4 074	1 469	5	5	7	8	5	5	5	6	5	6	1761
3 078	1 233	2 478	949	7	7	7	8	7	8	8	8	7	8	1771
335	158	271	136	16	17	16	20	16	20	17	21	17	22	1781
														179
1 155 563 1 906 81 1 655 2 806	501 244 888 30 697 1 155	1 005 517 1 786 63 1 518 2 499	435 227 777 22 660 1 009	7 12 7 (W) 3 6	7 10 7 (W) 2 6	7 11 7 (W) 4 6	8 11 8 (W) 3 7	7 12 8 (W) 3 6	8 12 8 (W) 3 7	7 13 7 (W) 3 6	8 13 8 (W) 3 7	8 11 8 (W) 4 7	9 13 8 (W) 3 8	1791 1793 1794 1795 1796 1799
471	192	446	179	6	6	4	7	4	7	8	9	9	11	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers	10.5	14.6	1.6	77.7	.226	.335	.270	.017	.011
15,16, 17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses	4.6	10.5	1.5	76.8	.166	.351	.300	.012	.009
1522	Other residential buildings	13.1	15.8	1.8	199.9	.095	.232	.603	.009	.006
1531	Operative builders	6.5	12.9	1.5	200.7	.114	.347	.375	.008	.003
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses	25.7	16.0	1.9	121.6	.163	.229	.535	.015	.007
1542	Nonresidential buildings, n.e.c.	20.5	15.8	1.6	151.5	.134	.225	.557	.005	.007
16	Heavy construction general contractors:									
1611	Highway and street construction	25.3	14.0	1.8	84.3	.186	.426	.180	.029	.019
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction	54.6	14.5	1.9	68.1	.245	(D)	.173	.034	.010
1623	Water, sewer, and utility lines	27.2	14.9	1.9	55.1	.308	.375	.127	.056	.019
1629	Heavy construction, n.e.c.	20.8	18.6	1.9	76.7	.283	.318	.211	.022	.012
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning	8.5	15.4	1.7	75.0	.259	.454	.118	.013	.010
1721	Painting, paper hanging, and decorating	7.8	13.3	1.5	32.6	.455	.238	.049	.027	.015
1731	Electrical work	14.1	18.6	1.8	63.0	.349	.369	.046	.014	.014
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework	6.5	9.0	1.2	24.5	.389	.375	.029	.010	.012
1742	Plastering, drywall, and insulation work	15.1	13.2	1.5	44.2	.338	.406	.099	.010	.007
1743	Terrazzo, tile, marble, and mosaic work	6.8	13.0	1.3	49.6	.283	.457	.013	*.004	.006
175	Carpentering and flooring:									
1751	Carpentering	5.0	8.8	1.2	32.7	.288	.290	.213	.016	.007
1752	Floor laying and other floorwork	4.8	14.9	1.6	78.5	.242	.582	.052	.007	.009
1761	Roofing and sheet metal work	12.0	12.6	1.4	49.1	.296	.462	.047	.019	.011
1771	Concrete work	8.9	10.5	1.5	45.5	.267	.393	.090	.013	.015
1781	Water well drilling	3.8	12.1	1.9	72.3	.194	.425	.016	.014	.004
179	Miscellaneous special trade contractors:									
1791	Structural steel erection	14.2	20.1	1.7	50.5	.449	.235	.038	.056	.023
1793	Glass and glazing work	9.7	17.1	1.7	84.4	.273	.524	.011	.026	.014
1794	Excavating and foundation work	6.4	13.7	1.8	66.3	.232	.278	.090	.059	.056
1795	Wrecking and demolition work	12.8	12.2	1.3	38.1	.397	.117	(D)	.084	.078
1796	Installing building equipment, n.e.c.	15.4	20.2	1.7	68.0	.352	.317	.032	.011	.012
1799	Special trade contractors, n.e.c.	6.1	12.6	1.6	53.9	.287	(D)	(D)	.020	.014
6552	Subdividers and developers, n.e.c.	7.9	12.6	1.7	138.6	.239	.185	.446	.030	.007

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	ATLANTA SMSA											
	Construction industries and subdividers and developers	4 647	60 059	976 268	4 417 196	3 087 383	1 789 991	1 387 458	1 329 813	67 065	1	1
15,16,17	Construction Industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	616	3 181	39 710	239 290	161 906	82 677	82 924	77 385	2 602	6	6
1522	Other residential buildings	77	1 117	19 322	239 057	85 195	34 751	(D)	153 862	749	13	3
1531	Operative builders	330	2 361	32 914	312 114	191 240	89 748	106 495	120 874	2 229	7	5
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	71	1 725	30 586	221 296	81 703	39 248	42 963	139 594	3 849	4	4
1542	Nonresidential buildings, n.e.c.	284	7 335	122 303	932 779	407 297	227 750	192 161	525 483	4 101	2	2
16	Heavy construction general contractors:											
1611	Highway and street construction	118	3 132	45 649	261 569	212 939	108 694	118 646	48 630	7 466	3	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	12	422	5 633	20 715	18 002	8 267	(D)	2 713	376	5	5
1623	Water, sewer, and utility lines	135	3 992	65 721	216 298	184 978	120 963	67 474	31 320	12 386	4	4
1629	Heavy construction, n.e.c.	74	2 636	55 127	182 890	127 600	91 643	49 044	55 290	2 949	3	4
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	604	6 538	112 688	431 240	371 667	184 581	189 547	59 573	5 076	4	3
1721	Painting, paper hanging, and decorating	227	2 214	36 770	76 663	72 794	56 403	16 533	3 869	2 355	8	6
1731	Electrical work	431	7 457	154 815	440 927	420 628	271 537	158 018	20 300	5 421	3	2
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	161	1 506	16 446	45 799	44 705	25 876	18 871	1 094	434	9	4
1742	Plastering, drywall, and insulation work	154	2 676	37 997	115 471	100 521	59 395	45 396	14 950	780	6	4
1743	Terrazzo, tile, marble, and mosaic work	45	441	6 883	24 186	23 903	12 893	11 041	283	34	14	13
175	Carpentering and flooring:											
1751	Carpentering	234	1 286	13 455	47 144	35 471	24 394	11 229	11 674	853	11	9
1752	Floor laying and other floorwork	66	456	8 344	35 852	33 642	15 754	21 313	2 210	181	14	19
1761	Roofing and sheet metal work	183	2 738	34 779	115 075	108 345	56 678	(D)	6 730	2 474	6	7
1771	Concrete work	173	1 904	22 040	80 980	73 818	45 949	30 769	7 163	931	9	10
1781	Water well drilling	*17	*48	*556	*3 527	(D)	*2 364	*1 159	(D)	(D)	47	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	40	760	17 894	37 450	(D)	33 225	6 606	(D)	1 719	8	-
1793	Glass and glazing work	37	478	8 870	30 557	(D)	17 072	15 708	(D)	1 025	13	-
1794	Excavating and foundation work	119	1 152	17 897	68 200	61 280	41 977	20 550	6 920	4 401	8	5
1795	Wrecking and demolition work	4	66	967	2 299	(D)	1 923	268	(D)	(D)	(W)	-
1796	Installing building equipment, n.e.c.	75	1 510	30 864	92 200	89 087	60 840	28 822	3 113	669	3	1
1799	Special trade contractors, n.e.c.	263	1 871	24 501	83 778	76 658	52 076	28 537	7 120	1 824	8	7
6552	Subdividers and developers, n.e.c.	101	1 062	13 541	59 844	32 022	23 316	10 987	27 822	1 900	5	9

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SUMMARY OF FINDINGS

During 1982, 22,523 establishments in Maryland operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$8.6 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 13,365 establishments in this State with no payroll accounted for about 7 percent of all business receipts for all construction establishments in Maryland. On the other hand, 9,158 establishments classified as "employers" accounted for 93 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$8.0 billion, of which \$7.5 billion were receipts for construction work. These establishments paid \$2.1 billion for construction work subcontracted to others, leaving net construction receipts of about \$5.4 billion. Value added for these establishments amounted to \$3.5 billion. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Maryland paid \$2.1 billion for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$135 million were also made for selected power, fuels, and

lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Maryland was 104 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 31.0 million hours, while hours worked during the third quarter were 36.3 million hours.

Total payroll for 1982 was \$1.9 billion. Payments of \$340 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Maryland are based on a sample of about 4,000 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
													A	B
	1982													
	Construction industries and subdividers and developers.....	22 523	15 879	103 805	8 598 380	13 365	13 234	615 660	9 158	2 645	103 805	7 982 720	1	1
15,16, 17	Construction industries¹	22 091	15 464	102 984	8 417 574	13 016	12 830	485 522	9 075	2 634	102 984	7 932 052	1	1
15	General building contractors and operative builders	5 610	3 493	22 694	3 173 955	2 972	2 804	196 336	2 638	689	22 694	2 977 619	2	1
16	Heavy construction, general contractors ..	857	473	18 618	1 757 545	438	428	19 989	419	45	18 618	1 737 556	1	1
17	Special trade contractors	15 624	11 498	61 672	3 486 074	9 606	9 598	269 197	6 018	1 900	61 672	3 216 877	1	1
1711	Plumbing, heating, and air conditioning....	2 160	1 169	13 818	956 159	853	853	37 140	1 307	316	13 818	919 019	2	1
1731	Electrical work	1 468	880	9 450	605 210	744	728	22 446	724	152	9 450	582 764	2	1
6552	Subdividers and developers, n.e.c.²	427	413	816	180 800	349	404	130 138	78	9	816	50 662	10	6
	1977													
	Construction industries and subdividers and developers.....	20 445	15 659	105 018	5 884 516	10 752	11 001	335 698	9 693	4 658	105 018	5 548 818	1	1
15,16, 17	Construction industries¹	20 131	15 292	104 607	5 793 994	10 519	10 662	275 190	9 612	4 630	104 607	5 518 804	1	1
15	General building contractors and operative builders	5 351	3 610	27 064	2 533 462	2 010	2 014	144 866	3 341	1 596	27 064	2 388 596	2	1
16	Heavy construction, general contractors ..	766	418	20 214	1 221 094	250	252	9 088	516	166	20 214	1 212 006	1	(W)
17	Special trade contractors	14 014	11 264	57 329	2 039 438	8 259	8 396	121 236	5 755	2 868	57 329	1 918 202	1	1
1711	Plumbing, heating, and air conditioning....	1 939	1 180	12 309	575 337	707	726	21 438	1 232	454	12 309	553 899	2	2
1731	Electrical work	1 411	983	9 013	341 496	696	699	10 176	715	284	9 013	331 320	2	2
6552	Subdividers and developers, n.e.c.²	320	367	411	90 525	233	339	60 508	87	28	411	30 017	13	13

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.
²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1982													
The State	22 523	15 879	103 805	8 598 380	13 365	13 234	615 660	9 158	2 645	103 805	7 982 720	1	1
\$10,000,000 or more	121	8	26 502	3 680 026	—	—	—	121	8	26 502	3 680 026	(W)	(W)
\$5,000,000 to \$9,999,999	122	10	8 517	890 397	6	5	41 403	116	5	8 517	848 994	(W)	(W)
\$2,500,000 to \$4,999,999	240	21	11 196	830 323	12	15	40 443	228	6	11 196	789 880	(W)	(W)
\$1,000,000 to \$2,499,999	739	99	16 963	1 148 408	55	66	90 402	684	33	16 963	1 058 006	1	2
\$500,000 to \$999,999	988	207	13 030	693 533	91	92	63 276	897	115	13 030	630 257	3	4
\$250,000 to \$499,999	1 434	300	11 088	503 166	135	132	45 895	1 299	168	11 088	457 271	5	4
\$100,000 to \$249,999	2 835	1 344	9 364	444 933	652	610	97 677	2 183	734	9 364	347 256	5	4
\$50,000 to \$99,999	2 938	1 957	4 165	210 460	1 275	1 247	87 624	1 663	710	4 165	122 836	6	4
\$25,000 to \$49,999	3 045	2 550	1 773	108 051	2 056	2 080	72 164	989	470	1 773	35 887	8	6
Less than \$25,000	10 058	9 381	1 205	89 082	9 083	8 987	76 776	975	394	1 205	12 306	6	6
\$10,000 to \$24,999	(NA)	(NA)	(NA)	(NA)	3 472	3 439	54 563	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	2 177	2 150	14 819	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999	(NA)	(NA)	(NA)	(NA)	2 105	2 078	6 065	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000	(NA)	(NA)	(NA)	(NA)	1 329	1 320	1 329	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977													
The State	20 445	15 659	105 018	5 884 516	10 752	11 001	335 698	9 693	4 658	105 018	5 548 818	1	1
\$10,000,000 or more	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 ²	160	16	28 696	(D)	1	2	(D)	159	14	28 696	2 540 263	(W)	1
\$2,500,000 to \$4,999,999	194	22	10 837	3 204 402	10	17	41 846	184	5	10 837	622 293	(W)	(W)
\$1,000,000 to \$2,499,999	592	101	16 762	904 214	25	38	36 873	567	63	16 762	867 341	1	2
\$500,000 to \$999,999	796	199	12 878	548 446	62	85	43 606	734	114	12 878	504 840	2	2
\$250,000 to \$499,999	1 340	436	12 846	471 495	83	89	28 370	1 257	347	12 846	443 125	3	4
\$100,000 to \$249,999	2 604	1 455	12 435	410 261	292	301	44 869	2 312	1 154	12 435	365 392	4	4
\$50,000 to \$99,999	2 472	1 927	5 911	177 512	519	569	35 327	1 953	1 358	5 911	142 185	6	6
\$25,000 to \$49,999	2 456	2 116	2 624	87 669	1 191	1 251	40 576	1 265	865	2 624	47 093	9	8
Less than \$25,000	9 832	9 388	2 030	80 515	8 569	8 649	64 231	1 263	739	2 030	16 284	12	10
\$10,000 to \$24,999	3 584	3 247	1 473	(D)	2 745	2 796	42 132	839	451	1 473	(D)	17	—
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	2 144	2 167	14 564	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999	(NA)	(NA)	(NA)	(NA)	2 258	2 271	6 507	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500	(NA)	(NA)	(NA)	(NA)	1 422	1 415	1 028	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers -----	9 158	103 805	82 261	1 870 863	1 355 029	137 969	7 536 040	5 436 573
15,16, 17	Construction industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	1 758	8 236	6 833	94 889	71 311	10 186	461 639	330 711
1522	Other residential buildings -----	149	1 516	1 168	26 489	17 017	2 141	241 390	90 475
1531	Operative builders -----	265	3 479	1 785	73 495	28 101	3 008	1702 205	356 933
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	81	1 364	1 053	26 516	18 668	1 896	159 110	63 850
1542	Nonresidential buildings, n.e.c. -----	385	8 099	5 954	165 199	105 897	10 007	1 278 736	501 544
16	Heavy construction general contractors:								
1611	Highway and street construction -----	167	5 316	4 523	105 574	81 014	8 373	405 750	333 384
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	12	1 159	988	46 142	38 994	2 103	257 023	229 802
1623	Water, sewer, and utility lines -----	135	2 978	2 560	51 126	39 493	4 834	154 136	136 012
1629	Heavy construction, n.e.c. -----	105	9 165	5 748	272 621	172 437	11 669	684 393	482 435
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning -----	1 307	13 818	10 672	247 607	177 587	18 146	906 312	760 787
1721	Painting, paper hanging, and decorating -----	564	3 644	3 281	45 551	37 470	4 976	106 754	99 739
1731	Electrical work -----	724	9 450	7 688	181 862	148 846	13 935	569 596	559 672
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	550	5 339	4 815	71 796	60 416	6 663	190 386	182 770
1742	Plastering, drywall, and insulation work -----	268	5 908	5 245	96 330	78 881	8 687	271 942	248 719
1743	Terrazzo, tile, marble, and mosaic work -----	69	359	299	5 693	4 510	524	17 917	17 412
175	Carpentering and flooring:								
1751	Carpentering -----	702	3 644	3 114	48 493	40 308	4 831	145 483	128 904
1752	Floor laying and other floorwork -----	162	1 184	950	17 340	11 663	1 516	63 611	59 750
1761	Roofing and sheet metal work -----	408	4 615	3 815	67 165	49 808	5 907	205 995	197 070
1771	Concrete work -----	344	4 605	4 044	63 846	51 985	6 180	201 677	186 864
1781	Water well drilling -----	42	341	271	4 457	3 570	550	15 295	15 157
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	59	1 229	1 101	23 900	20 401	1 739	49 449	47 079
1793	Glass and glazing work -----	47	732	525	13 772	9 195	914	48 715	47 464
1794	Excavating and foundation work -----	309	3 048	2 627	44 981	36 175	4 179	154 823	137 879
1795	Wrecking and demolition work -----	14	67	54	1 242	1 012	81	3 969	3 330
1796	Installing building equipment, n.e.c. -----	54	1 154	976	32 406	26 370	1 867	99 670	97 291
1799	Special trade contractors, n.e.c. -----	395	2 535	1 936	31 301	21 223	2 870	110 245	101 795
6552	Subdividers and developers, n.e.c. -----	78	816	229	11 066	2 671	176	129 813	19 741

†Land receipts for SIC 1531 were \$103,331; for SIC 6552 were \$18,246.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
3 538 825	2 222 849	2 099 467	119 066	157 162	1 441 164	105 018	5 268 141	2 324 577	1	1	1	15,16, 17
												15
200 881	138 420	130 928	2 937	7 097	49 388	10 483	455 136	168 842	4	3	7	152
47 254	44 180	150 915	1 577	1 607	10 217	1 577	179 694	31 709	4	2	7	1521
												1522
244 620	125 817	345 272	7 543	16 757	127 655	5 090	609 329	144 983	3	2	(W)	1531
34 273	30 370	95 260	1 692	1 327	11 864	1 770	128 429	42 642	7	7	6	154
318 516	190 385	777 192	6 978	43 638	159 511	8 144	887 028	241 939	2	1	(W)	1541
												1542
												16
236 144	134 380	72 365	15 753	18 411	195 471	6 290	301 669	171 393	2	1	1	1611
88 704	(D)	27 221	(D)	2 089	23 123	1 478	135 312	63 305	(W)	(W)	(W)	162
86 233	52 322	18 124	6 486	6 856	59 419	3 878	148 894	86 509	3	4	4	1622
499 566	(D)	201 957	14 179	10 812	312 280	8 568	522 518	261 348	1	1	2	1623
												1629
												17
430 865	342 627	145 525	9 397	12 746	106 434	12 309	549 142	260 151	2	1	2	1711
75 483	24 443	7 015	1 441	2 178	15 368	3 987	84 817	60 539	6	5	7	1721
299 747	273 093	9 924	3 189	5 975	76 546	9 013	325 523	210 071	2	1	3	1731
122 971	60 720	7 616	2 447	3 020	29 197	6 826	139 242	88 614	4	2	6	174
163 923	87 850	23 223	3 341	2 291	22 063	4 331	136 080	82 380	3	2	2	1741
9 976	7 592	505	203	558	2 247	619	21 022	11 649	19	16	36	1742
												1743
82 930	47 077	16 579	1 248	2 118	17 123	3 473	84 424	51 811	5	4	9	175
34 643	26 058	3 861	914	353	6 837	1 588	50 133	29 780	7	5	1	1751
												1752
116 021	84 473	8 925	2 610	3 840	31 173	4 022	122 468	66 110	5	3	8	1761
106 846	81 631	14 813	6 357	3 991	36 894	3 320	88 932	53 222	5	4	13	1771
8 482	(D)	*138	142	658	10 040	397	16 001	9 263	21	17	15	1781
												179
37 873	10 224	2 370	776	489	14 149	720	23 805	18 225	8	5	12	1791
26 626	24 215	1 251	455	477	4 106	393	13 706	7 504	7	5	2	1793
110 628	36 357	16 943	11 541	5 317	76 106	2 861	107 897	81 471	5	4	7	1794
3 085	532	639	156	162	1 443	97	2 917	2 521	(W)	(W)	(W)	1795
71 592	25 832	2 379	568	752	5 661	896	48 665	34 471	4	3	4	1796
63 892	41 694	8 449	(D)	1 991	17 496	2 477	66 682	39 563	7	6	8	1799
17 041	5 302	10 072	533	1 643	19 345	411	18 682	*4 564	10	6	8	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	9 158	9 693	8 663	6 941	2	2	3	3
Number of establishments in business at end of year	8 924	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Proprietors and working partners	2 645	4 658	4 564	4 278	4	5	5	5
All employees**	103 805	105 018	106 114	80 002	1	1	2	1
Construction workers:								
March	74 980	76 700	79 396	62 232	1	1	2	1
May	82 050	88 887	88 195	69 514	1	1	2	1
August	84 662	94 911	97 790	74 179	1	1	2	1
November	83 994	87 028	90 825	67 415	1	1	2	1
Average	82 261	86 973	89 922	68 879	1	1	2	1
Other employees:								
March	21 503	17 529	15 611	10 613	1	1	2	2
Construction worker hours (thousands):								
January to March	31 049	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
April to June	34 776	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
July to September	36 342	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
October to December	35 800	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Total hours worked	137 969	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Payroll, all employees	1 870 863	1 310 695	1 007 898	506 977	1	1	1	1
Payroll, construction workers	1 355 029	977 827	772 512	405 391	1	1	1	1
Payroll, other employees	515 833	332 868	235 386	101 625	1	1	1	1
First quarter payroll, all employees	427 542	274 576	(NA)	(NA)	1	1	(NA)	(NA)
Employer costs for fringe benefits	339 992	217 364	(NA)	(NA)	1	1	(NA)	(NA)
Legally required expenditures	241 834	137 179	(NA)	(NA)	1	1	(NA)	(NA)
Voluntary expenditures	98 157	80 186	(NA)	(NA)	1	1	(NA)	(NA)
All business receipts	7 982 720	5 548 818	3 944 192	2 047 760	1	1	1	1
Total construction receipts	7 536 040	5 268 141	3 833 068	1 998 280	1	1	1	1
Receipts for work subcontracted in from others	1 902 335	1 237 468	868 465	509 393	1	1	2	1
Land receipts ¹	121 577	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Other business receipts	325 102	280 677	111 124	49 862	1	2	3	4
Net construction receipts†	5 436 573	3 851 968	2 729 467	1 457 771	1	1	1	1
Value added††	3 538 825	2 324 577	1 632 438	873 639	1	1	1	1
Selected payments	4 322 317	3 111 485	2 267 089	1 155 849	1	1	1	1
Materials, components, and supplies ²	2 087 368	1 608 163	1 163 488	615 062	1	1	1	1
Construction work subcontracted to others	2 099 467	1 416 173	1 103 601	540 568	1	1	1	1
Selected power, fuels, and lubricants	135 481	87 150	(NA)	(NA)	1	1	(NA)	(NA)
Electricity	18 215	10 932	(NA)	(NA)	2	1	(NA)	(NA)
Natural gas	4 122	3 606	(NA)	(NA)	2	4	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	103 857	61 257	(NA)	(NA)	1	1	(NA)	(NA)
Other, including lubricating oils and greases	9 286	11 357	(NA)	(NA)	2	3	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	2 385	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	119 066	77 287	(NA)	(NA)	1	1	(NA)	(NA)
For machinery and equipment	88 835	63 453	41 219	23 245	1	1	4	2
For structures	30 231	13 833	(NA)	(NA)	1	1	(NA)	(NA)
Selected purchased services	105 647	179 370	(NA)	(NA)	1	3	(NA)	(NA)
Communication services	28 669	28 226	(NA)	(NA)	2	18	(NA)	(NA)
Repairs to structures and related facilities	5 788	4 078	(NA)	(NA)	3	3	(NA)	(NA)
Repairs to machinery and equipment	71 189	147 066	(NA)	(NA)	1	(W)	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	7 536 040	5 268 141	3 833 068	1 998 280	1	1	1	1
Government owned	1 950 121	1 458 584	1 123 113	1 123 113	1	(W)	1	2
Privately owned	5 585 918	3 809 557	2 709 955	2 709 955	1	1	1	2

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	1 336 141	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	157 162	106 930	77 885	36 677	1	2	3	3
New -----	130 117	89 064	64 043	28 034	1	2	3	3
Used -----	27 044	17 866	13 842	8 643	3	4	5	5
Retirements and disposition of depreciable assets -----	52 138	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	1 441 164	661 541	444 210	(NA)	1	1	3	(NA)
Depreciation charges during year -----	140 950	67 089	65 633	(NA)	2	1	2	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	282 239	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	56 694	17 210	13 727	6 627	1	13	7	13
New structures and related facilities -----	53 825	15 787	9 196	5 077	1	11	10	9
Used structures and related facilities -----	2 869	1 423	4 531	1 550	16	15	4	17
Retirements and disposition of depreciable assets -----	11 971	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	326 962	121 028	94 596	(NA)	1	3	8	(NA)
Depreciation charges during year -----	24 122	6 382	4 745	(NA)	2	4	8	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	1 053 901	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	100 467	89 720	64 158	30 050	2	3	6	3
New machinery and equipment, including automobiles and trucks -----	76 292	73 277	54 847	22 957	2	2	4	3
New automobiles and trucks, intended primarily for highway use -----	32 106	34 930	(NA)	(NA)	3	2	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	24 175	16 443	9 311	7 093	3	5	8	4
Retirements and disposition of depreciable assets -----	40 166	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	1 114 202	540 513	349 614	(NA)	1	1	3	(NA)
Depreciation charges during year -----	116 828	60 707	60 888	(NA)	2	1	2	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	9 158	2
Total construction receipts	7 536 040	1
Establishments with inventories:		
Number	2 286	6
Total construction receipts	3 257 872	1
Inventories¹:		
End of 1982, total	145 630	4
Value for establishments with LIFO reserve	1 242	6
Amount of LIFO reserve	472	13
Value for establishments with no LIFO reserve	144 388	4
End of 1981, total	104 799	3
Value for establishments with LIFO reserve	1 771	3
Amount of LIFO reserve	926	5
Value for establishments with no LIFO reserve	103 028	3
Establishments with no inventories:		
Number	6 872	1
Total construction receipts	4 278 168	1

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Establishments with an average of —									
	Total	1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1982										
Number of establishments	9 158	5 113	1 795	1 176	775	189	85	17	6	2
All employees	103 805	10 352	11 715	15 787	23 589	13 111	12 240	6 118	10 892	(D)
Payroll, all employees	1 870 863	106 069	153 449	235 989	405 152	258 645	255 329	166 468	289 761	(D)
Construction worker hours (thousands)	137 969	12 834	14 671	20 040	30 914	18 673	17 454	8 851	14 530	(D)
All business receipts	7 982 720	483 995	621 544	869 958	1 755 656	1 209 623	3 041 943	(D)	(D)	(D)
Total construction receipts	7 536 040	472 379	600 796	846 350	1 679 498	1 176 898	1 192 495	807 222	760 402	(D)
Net construction receipts†	5 436 573	403 436	484 758	664 490	1 198 880	819 443	772 240	1 093 325	(D)	(D)
Value added††	3 538 825	242 400	306 397	402 329	745 502	523 586	489 444	329 856	499 309	(D)
Payments for materials, components, supplies, and fuels	2 222 849	165 196	190 293	278 101	486 527	315 021	305 860	234 224	247 625	(D)
Payments for construction work subcontracted to others	2 099 467	58 943	116 038	181 859	480 617	357 455	420 255	474 299	(D)	(D)
Rental payments for machinery, equipment, and structures	119 066	3 969	7 908	11 208	21 416	21 076	19 633	25 825	8 029	(D)
Capital expenditures, other than land	157 162	9 833	9 691	13 886	24 564	56 443	22 385	15 596	4 762	(D)
End-of-year gross book value of depreciable assets	1 441 164	113 005	114 722	126 397	264 570	233 153	233 918	301 323	54 073	(D)
1977										
All employees**	105 018	11 698	12 411	16 610	23 399	12 268	10 644	6 625	3 639	7 725
Total construction receipts	5 268 141	470 257	452 813	684 497	1 079 572	667 799	660 524	416 675	836 003	(D)
Value added††	2 324 577	212 174	201 886	313 838	476 383	284 078	250 257	164 575	155 942	265 444
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	3	4	3	2	(W)	(W)	(W)	(W)	—
Net construction receipts†	1	4	4	3	1	(W)	(W)	(W)	(W)	—
Capital expenditures, other than land	1	10	10	6	4	(W)	(W)	(W)	(W)	—

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments -----	9 158	975	989	1 663	2 183	1 299	897	684	228	116	121
All employees** -----	103 805	1 205	1 773	4 165	9 364	11 088	13 030	16 963	11 196	8 517	26 502
Payroll, all employees -----	1 870 863	3 579	10 313	35 390	101 180	142 940	189 330	295 680	210 990	189 164	692 294
Construction worker hours (thousands) -----	137 969	997	1 688	4 748	11 704	13 726	16 211	23 471	15 441	12 655	37 324
All business receipts -----	7 982 720	12 306	35 887	122 836	347 256	457 271	630 257	1 058 006	789 880	848 994	3 680 026
Total construction receipts -----	7 536 040	12 215	35 452	121 089	341 640	448 567	611 439	1 034 004	760 210	821 249	3 350 173
Net construction receipts† -----	5 436 573	11 224	32 308	111 387	304 843	396 070	515 445	851 002	578 039	587 164	2 049 089
Value added†† -----	3 538 825	7 115	19 455	68 296	185 099	248 906	326 201	522 959	346 401	381 402	1 432 989
Payments for materials, components, supplies, and fuels -----	2 222 849	4 160	13 063	44 072	123 330	153 598	200 663	343 725	255 198	225 049	859 987
Payments for construction work subcontracted to others -----	2 099 467	990	3 144	9 701	36 797	52 497	95 994	183 002	182 171	234 085	1 301 084
Rental payments for machinery, equipment, and structures -----	119 066	182	286	1 155	3 293	6 239	8 774	15 161	12 023	13 191	58 758
Capital expenditures, other than land -----	157 162	*38	634	2 545	6 965	9 105	11 278	16 829	16 235	12 073	81 456
End-of-year gross book value of depreciable assets -----	1 441 164	4 048	10 707	29 531	77 767	95 794	115 150	182 406	117 241	94 484	714 034
1977											
All employees** -----	105 018	2 030	2 624	5 911	12 435	12 846	12 878	16 762	10 837	128 696	(NA)
Total construction receipts -----	5 268 141	16 124	46 640	137 441	357 780	427 972	488 893	826 122	603 798	12 363 370	(NA)
Value added†† -----	2 324 577	8 858	26 820	78 913	171 050	219 477	233 126	381 678	259 824	1944 833	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees** -----	1	6	8	6	5	5	3	1	(W)	(W)	(W)
Net construction receipts† -----	1	7	6	5	3	4	3	2	(W)	(W)	(W)
Capital expenditures, other than land -----	1	46	22	12	10	11	7	6	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

*Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair			
	A	B	C	A	B	C
1982						
Total construction receipts†	7 536 040	6 161 449	1 374 590	1	1	1
Building construction	5 325 828	4 448 287	877 540	1	1	1
Single-family houses	1 642 255	1 398 062	244 193	1	1	3
Single-family houses, detached	1 099 523	908 416	191 107	2	2	4
Single-family houses, attached	542 731	489 645	53 085	2	2	6
Apartment buildings with two or more apartments	346 973	271 194	75 779	2	1	4
Other residential buildings	172 714	151 639	21 075	2	1	5
Office and bank buildings	1 378 241	1 172 053	206 188	1	1	2
Office buildings	1 312 725	1 124 093	188 632	1	1	2
Bank buildings and other financial institutions	65 515	47 960	17 555	2	3	3
Industrial buildings and warehouses	604 172	477 849	126 323	1	2	3
Industrial buildings	470 338	366 202	104 135	2	2	3
Warehouses	133 834	111 646	22 187	2	2	8
Stores, restaurants, public garages, and automobile service stations	346 880	251 464	95 416	2	3	3
Religious buildings	38 286	26 093	12 192	5	5	5
Educational buildings	265 912	221 204	44 708	1	1	4
Hospitals and institutional buildings	405 549	376 855	28 693	1	1	3
Amusement, social, and recreational buildings	59 813	53 087	6 726	7	8	21
Other nonresidential buildings	65 033	48 787	16 247	5	3	21
Nonbuilding construction	1 767 590	1 358 443	409 147	1	1	1
Highways, streets, and related facilities	449 885	247 354	202 530	2	3	1
Bridges, tunnels, and elevated highways	288 131	268 789	19 342	(W)	(W)	(W)
Power and communication transmission lines, towers, and related facilities	66 638	55 294	11 343	4	3	12
Sewers, water mains, and related facilities	137 145	114 199	22 945	4	4	12
Sewers, sewer lines, and related facilities	97 354	80 068	17 286	6	6	15
Water mains and related facilities	39 790	34 130	5 659	6	6	14
Sewage treatment and water treatment plants	164 112	149 532	14 580	1	(W)	10
Sewage treatment plants	77 151	65 097	12 054	1	(W)	8
Water treatment plants	86 961	84 434	2 526	(W)	(W)	9
Mass transit construction	74 761	70 561	4 199	1	(W)	2
Heavy industrial facilities	397 059	(D)	(D)	(W)	-	-
Other nonbuilding construction	189 859	(D)	(D)	5	-	-
Construction work, n.s.k.	442 621	354 718	87 902	3	3	4
1977						
Total construction receipts†	5 268 141	4 476 273	791 868	1	1	2
Building construction	3 621 757	2 980 680	641 077	1	1	2
Single-family houses	1 476 486	1 243 228	233 258	2	2	4
Apartment buildings with two or more apartments	305 621	250 248	55 373	1	1	4
Other residential buildings	60 060	47 648	12 412	8	10	4
Office and bank buildings	422 336	319 231	103 105	1	1	4
Industrial buildings and warehouses	412 220	321 853	90 367	2	2	2
Stores, restaurants, public garages, and automobile service stations	188 845	138 691	50 154	3	4	3
Religious buildings	44 781	34 987	9 794	3	3	4
Educational buildings	402 179	363 487	38 692	1	1	1
Hospitals and institutional buildings	210 257	183 188	27 069	1	1	3
Amusement, social, and recreational buildings	65 371	57 094	8 277	2	3	3
Other nonresidential buildings	33 601	21 024	12 577	5	5	8
Nonbuilding construction	1 465 788	1 344 955	120 833	(W)	(W)	2
Highways, streets, and related facilities	310 900	247 275	63 625	1	1	2
Bridges, tunnels, and elevated highways	124 639	116 747	7 892	(W)	(W)	5
Power and communication transmission lines, towers, and related facilities	54 862	52 054	2 808	1	1	2
Sewers, water mains, and related facilities	143 027	133 473	9 554	2	2	15
Sewage treatment and water treatment plants	152 338	149 265	3 073	1	1	3
Mass transit construction	132 313	131 724	589	(W)	(W)	(W)
Heavy industrial facilities	403 695	393 621	10 074	(W)	(W)	5
Other nonbuilding construction	144 014	120 796	23 218	2	2	6
Construction work, n.s.k.	180 641	150 446	30 195	3	4	5

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and subdividers and developers -----	9 158	82 261	137 969	74 980	31 049	82 050	34 776
15, 16, 17	Construction industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses -----	1 758	6 833	10 186	6 148	2 269	6 913	2 611
1522	Other residential buildings -----	149	1 168	2 141	974	443	1 094	519
1531	Operative builders -----	265	1 785	3 008	1 597	663	1 768	749
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses -----	81	1 053	1 896	920	424	981	465
1542	Nonresidential buildings, n.e.c. -----	385	5 954	10 007	5 340	2 259	6 086	2 491
16	Heavy construction general contractors:							
1611	Highway and street construction -----	167	4 523	8 373	2 899	1 207	5 034	2 348
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction -----	12	988	2 103	915	470	948	494
1623	Water, sewer, and utility lines -----	135	2 560	4 834	2 287	1 016	2 646	1 272
1629	Heavy construction, n.e.c. -----	105	5 748	11 669	6 050	3 067	5 488	2 806
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning -----	1 307	10 672	18 146	10 064	4 304	10 334	4 457
1721	Painting, paper hanging, and decorating -----	564	3 281	4 976	2 629	1 028	3 161	1 215
1731	Electrical work -----	724	7 688	13 935	7 682	3 483	7 742	3 540
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework -----	550	4 815	6 663	4 349	1 322	4 823	1 691
1742	Plastering, drywall, and insulation work -----	268	5 245	8 687	4 994	2 155	4 726	1 999
1743	Terrazzo, tile, marble, and mosaic work -----	69	299	524	239	107	287	128
175	Carpentering and flooring:							
1751	Carpentering -----	702	3 114	4 831	2 804	1 102	3 020	1 199
1752	Floor laying and other floorwork -----	162	950	1 516	1 007	393	931	389
1761	Roofing and sheet metal work -----	408	3 815	5 907	3 550	1 301	3 839	1 530
1771	Concrete work -----	344	4 044	6 180	3 628	1 281	4 121	1 638
1781	Water well drilling -----	42	271	550	256	126	245	125
179	Miscellaneous special trade contractors:							
1791	Structural steel erection -----	59	1 101	1 739	1 100	415	1 185	461
1793	Glass and glazing work -----	47	525	914	482	206	489	220
1794	Excavating and foundation work -----	309	2 627	4 179	2 105	818	2 817	1 082
1795	Wrecking and demolition work -----	14	54	81	49	16	52	17
1796	Installing building equipment, n.e.c. -----	54	976	1 867	1 039	488	963	467
1799	Special trade contractors, n.e.c. -----	395	1 936	2 870	1 671	633	2 132	809
6552	Subdividers and developers, n.e.c. -----	78	229	176	196	39	229	41

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
84 662	36 342	83 994	35 800	1	1	1	1	1	1	1	1	1	1	15,16, 17
														15
7 065 1 314	2 739 588	6 620 1 219	2 565 589	4 4	4 4	4 3	5 5	5 3	5 4	5 4	5 5	5 4	5 5	152 1521 1522
1 820	781	1 858	813	4	4	5	5	5	5	4	5	5	5	1531
1 203 6 016	530 2 608	1 069 6 264	476 2 648	7 2	7 1	7 1	8 2	8 1	8 2	6 2	7 2	6 2	8 2	154 1541 1542
														16
5 247	2 565	4 857	2 252	2	1	2	2	2	1	2	2	2	1	1611 162
1 023 2 741 5 363	563 1 346 2 682	1 069 2 519 6 072	574 1 199 3 112	(W) 3 1	(W) 3 1	(W) 3 1	(W) 3 1	(W) 3 2	(W) 3 1	(W) 3 2	(W) 3 1	(W) 3 1	(W) 4 1	1622 1623 1629
														17
10 936	4 675	10 924	4 709	2	2	2	2	2	2	2	2	2	2	1711
3 548	1 422	3 502	1 310	6	6	6	8	6	7	6	7	6	7	1721
7 686	3 498	7 372	3 412	2	2	2	2	2	2	2	2	2	2	1731
														174
4 855 5 323 335	1 808 2 223 152	5 045 5 863 296	1 842 2 308 135	4 3 19	4 2 19	4 2 19	5 2 23	4 3 20	4 3 23	4 3 19	4 3 23	4 3 20	4 3 24	1741 1742 1743
3 206 925	1 292 389	3 153 856	1 236 344	5 6	5 5	4 8	6 9	5 6	6 7	6 6	7 7	6 6	7 7	175 1751 1752
3 810	1 514	3 816	1 559	5	4	5	5	6	4	5	4	5	6	1761
4 139	1 649	4 140	1 610	5	4	5	4	5	4	6	5	6	5	1771
242	130	335	167	21	21	20	23	21	23	20	23	32	33	1781
1 126 556 2 861 57	422 245 1 215 26	960 544 2 629 54	439 242 1 063 22	8 8 5 (W)	6 6 5 (W)	6 8 5 (W)	5 8 6 (W)	7 8 4 (W)	7 8 6 (W)	9 8 5 (W)	7 7 5 (W)	10 8 5 (W)	7 8 5 (W)	179 1791 1793 1794 1795
951 2 071	458 768	922 1 774	452 658	3 9	3 7	4 6	4 8	2 9	2 8	3 10	3 8	3 9	3 8	1796 1799
237	44	257	50	10	13	10	22	10	20	10	21	12	23	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers	11.3	18.0	1.7	91.6	.248	.295	.279	.021	.016
15,16, 17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses	4.7	11.5	1.5	67.6	.206	.300	.284	.015	.006
1522	Other residential buildings	10.2	17.5	1.8	206.7	.110	.183	.625	.007	.007
1531	Operative builders	13.1	21.1	1.7	393.4	.105	.179	.492	.024	.011
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses	16.8	19.4	1.8	151.1	.167	.191	.599	.008	.011
1542	Nonresidential buildings, n.e.c.	21.0	20.4	1.7	214.8	.129	.149	.608	.034	.005
16	Heavy construction general contractors:									
1611	Highway and street construction	31.8	19.9	1.9	89.7	.260	.331	.178	.045	.039
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction	96.6	39.8	2.1	260.1	.180	(D)	.106	.008	(D)
1623	Water, sewer, and utility lines	22.1	17.2	1.9	60.2	.332	.339	.118	.044	.042
1629	Heavy construction, n.e.c.	87.3	29.7	2.0	119.1	.398	(D)	.295	.016	.021
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning	10.6	17.9	1.7	84.9	.273	.378	.161	.014	.010
1721	Painting, paper hanging, and decorating	6.5	12.5	1.5	32.5	.427	.229	.066	.020	.013
1731	Electrical work	13.1	19.2	1.8	74.1	.319	.479	.017	.010	.006
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework	9.7	13.4	1.4	39.5	.377	.319	.040	.016	.013
1742	Plastering, drywall, and insulation work	22.0	16.3	1.7	51.8	.354	.323	.085	.008	.012
1743	Terrazzo, tile, marble, and mosaic work	5.2	15.9	1.8	59.9	.318	.424	.028	.031	.011
175	Carpentering and flooring:									
1751	Carpentering	5.2	13.3	1.6	46.7	.333	.324	.114	.015	.009
1752	Floor laying and other floorwork	7.3	14.6	1.6	67.0	.273	.410	.061	.006	.014
1761	Roofing and sheet metal work	11.3	14.6	1.5	54.0	.326	.410	.043	.019	.013
1771	Concrete work	13.4	13.9	1.5	49.9	.317	.405	.073	.020	.032
1781	Water well drilling	8.1	13.1	2.0	56.4	.291	(D)	*.009	.043	.009
179	Miscellaneous special trade contractors:									
1791	Structural steel erection	20.8	19.4	1.6	44.9	.483	.207	.048	.010	.016
1793	Glass and glazing work	15.6	18.8	1.7	92.8	.283	.497	.026	.010	.009
1794	Excavating and foundation work	9.9	14.8	1.6	58.9	.291	.235	.109	.034	.075
1795	Wrecking and demolition work	4.8	18.5	1.5	73.5	.313	.134	.161	.041	.039
1796	Installing building equipment, n.e.c.	21.4	28.1	1.9	102.1	.325	.259	.024	.008	.006
1799	Special trade contractors, n.e.c.	6.4	12.3	1.5	56.9	.284	.378	.077	.018	(D)
6552	Subdividers and developers, n.e.c.	10.5	13.6	.8	130.2	.371	.178	.338	.055	.018

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	PHILADELPHIA-WILMINGTON-TRENTON, PA.-DEL.-N.J.-MD., SCSA											
	Construction industries and subdividers and developers	9 537	99 394	2 011 096	7 787 014	5 823 418	3 808 173	2 279 790	1 963 596	100 045	1	1
15, 16, 17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	1 369	6 139	71 095	400 183	286 793	167 819	128 933	113 390	4 490	5	5
1522	Other residential buildings	118	627	9 543	56 444	27 437	15 763	12 070	29 007	328	7	7
1531	Operative builders	218	1 628	25 995	202 010	113 802	78 013	37 983	88 208	2 274	6	6
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	188	2 637	53 796	280 232	143 215	82 685	62 689	137 017	2 651	5	4
1542	Nonresidential buildings, n.e.c.	388	6 527	143 526	1 170 646	397 777	280 970	124 106	772 869	6 184	2	2
16	Heavy construction general contractors:											
1611	Highway and street construction	188	4 576	92 221	443 144	356 762	239 758	178 872	86 383	18 749	2	1
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	9	225	5 386	18 264	(D)	9 700	3 142	(D)	167	3	-
1623	Water, sewer, and utility lines	125	5 080	122 991	337 957	301 815	234 307	69 599	36 142	11 293	1	1
1629	Heavy construction, n.e.c.	100	10 513	307 868	1 414 406	990 043	604 457	(D)	424 363	7 639	1	(W)
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	1 497	14 362	311 078	912 651	799 927	489 102	318 392	112 724	10 107	2	2
1721	Painting, paper hanging, and decorating	543	4 327	72 897	163 059	154 914	120 690	34 820	8 145	3 420	4	3
1731	Electrical work	842	8 341	181 638	548 923	533 571	288 260	249 192	15 352	5 681	3	2
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	466	3 629	59 794	159 294	154 959	105 377	49 695	4 335	2 214	4	4
1742	Plastering, drywall, and insulation work	288	3 529	70 021	191 674	181 915	121 997	(D)	9 759	1 914	4	3
1743	Terrazzo, tile, marble, and mosaic work	81	442	7 395	23 415	22 932	13 960	9 121	483	*107	12	9
175	Carpentering and flooring:											
1751	Carpentering	789	3 674	44 680	148 231	130 530	82 229	49 616	17 701	1 234	5	4
1752	Floor laying and other floorwork	164	884	13 913	50 123	47 918	24 950	24 339	2 205	811	9	9
1761	Roofing and sheet metal work	660	5 669	98 633	295 777	283 404	179 580	108 447	12 373	5 002	4	3
1771	Concrete work	471	3 817	59 407	207 222	189 876	126 760	66 764	17 346	2 244	6	4
1781	Water well drilling	30	209	3 821	14 949	(D)	8 417	5 639	(D)	220	13	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	87	1 725	38 989	97 486	85 086	73 821	12 870	12 400	1 463	5	4
1793	Glass and glazing work	65	759	12 892	38 237	37 339	21 985	17 928	898	515	6	8
1794	Excavating and foundation work	343	3 200	50 612	189 655	155 374	113 143	45 470	34 281	6 852	4	4
1795	Wrecking and demolition work	24	367	7 622	23 859	21 920	23 140	2 714	1 939	497	3	3
1796	Installing building equipment, n.e.c.	109	4 049	104 623	272 737	264 762	223 073	45 099	7 975	1 299	2	1
1799	Special trade contractors, n.e.c.	340	2 321	38 225	120 355	112 446	76 248	41 507	7 910	2 403	6	5
6552	Subdividers and developers, n.e.c.	41	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
	BALTIMORE SMSA											
	Construction industries and subdividers and developers	4 333	44 205	782 076	3 284 999	2 461 365	1 523 912	1 001 671	823 635	58 583	1	1
15, 16, 17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	812	3 545	38 568	182 995	135 642	81 781	57 207	47 353	2 164	6	6
1522	Other residential buildings	68	496	7 399	59 435	28 989	14 259	15 001	30 446	748	9	3
1531	Operative builders	110	1 440	33 133	344 431	155 012	122 774	32 619	189 419	(D)	5	3
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	39	732	14 740	102 917	35 721	16 940	19 017	67 196	751	10	7
1542	Nonresidential buildings, n.e.c.	178	2 690	49 093	338 278	154 728	93 900	62 334	183 550	3 206	4	4

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	BALTIMORE SMSA—Con.											
15,16,17	Construction industries—Con.											
16	Heavy construction general contractors:											
1611	Highway and street construction -----	90	3 248	66 163	234 753	186 602	138 734	76 545	48 151	10 080	2	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	8	1 002	43 216	240 095	(D)	80 943	(D)	(D)	1 485	(W)	—
1623	Water, sewer, and utility lines -----	77	1 203	19 296	63 786	57 252	33 449	(D)	6 534	2 184	7	8
1629	Heavy construction, n.e.c. -----	52	1 574	47 447	269 333	(D)	117 907	36 559	(D)	(D)	3	—
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning -----	614	6 146	111 058	377 522	320 820	182 874	140 798	56 702	4 769	4	3
1721	Painting, paper hanging, and decorating -----	260	1 787	22 667	52 919	50 436	38 313	12 238	2 484	1 022	10	6
1731	Electrical work -----	354	4 723	98 296	330 128	325 866	174 722	156 633	4 262	2 717	4	2
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework -----	251	2 315	29 402	80 350	76 363	51 255	25 148	3 987	1 270	6	6
1742	Plastering, drywall, and insulation work -----	130	2 863	45 449	122 550	117 943	77 015	42 694	4 607	1 117	3	4
1743	Terrazzo, tile, marble, and mosaic work -----	27	150	2 264	6 711	6 628	3 551	3 111	*83	80	37	30
175	Carpentering and flooring:											
1751	Carpentering -----	331	1 416	17 133	55 265	48 784	30 408	18 542	6 482	664	7	9
1752	Floor laying and other floorwork -----	73	407	6 840	28 689	27 800	14 129	14 112	889	149	8	5
1761	Roofing and sheet metal work -----	227	2 085	25 941	86 341	82 144	48 958	(D)	4 197	1 755	8	7
1771	Concrete work -----	157	1 734	24 612	80 658	74 649	44 955	30 219	6 009	861	6	6
1781	Water well drilling -----	*17	160	2 073	6 111	6 088	3 757	2 331	*23	*303	28	23
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	41	901	18 618	34 644	33 291	28 570	5 362	1 353	289	11	5
1793	Glass and glazing work -----	13	418	7 955	25 694	25 345	15 709	(D)	349	308	11	6
1794	Excavating and foundation work -----	146	1 256	17 754	64 238	57 293	46 011	16 286	6 945	2 485	7	8
1795	Wrecking and demolition work -----	8	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	—	—
1796	Installing building equipment, n.e.c. -----	25	499	13 561	33 077	31 614	23 770	(D)	1 463	481	3	2
1799	Special trade contractors, n.e.c. -----	194	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	—	—
6552	Subdividers and developers, n.e.c. -----	37	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	—	—
	WASHINGTON, D.C.-MD.-VA., SMSA											
	Construction industries and subdividers and developers	5 876	84 468	1 586 099	6 403 748	4 349 200	2 900 086	1 786 332	2 054 548	126 122	1	1
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses -----	1 002	5 915	76 997	349 165	246 224	151 181	100 887	102 942	7 480	5	4
1522	Other residential buildings -----	133	1 123	21 820	200 419	65 097	34 571	31 356	135 323	843	5	4
1531	Operative builders -----	315	3 787	76 171	699 387	368 977	207 903	177 626	330 410	8 280	4	3
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses -----	57	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	—	—
1542	Nonresidential buildings, n.e.c. -----	293	8 435	180 676	1 434 239	540 407	395 106	193 625	893 832	42 430	2	2
16	Heavy construction general contractors:											
1611	Highway and street construction -----	93	2 421	47 951	201 228	164 311	114 007	64 202	36 917	6 416	4	3
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	11	408	6 662	27 377	21 872	14 951	(D)	5 505	285	8	5
1623	Water, sewer, and utility lines -----	90	2 856	50 529	145 252	128 173	85 668	44 452	17 080	6 155	2	2
1629	Heavy construction, n.e.c. -----	49	8 124	237 422	506 594	368 242	400 895	(D)	138 352	3 095	(W)	(W)

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											B	E
	WASHINGTON, D.C.-MD.-VA., SMSA—Con.											
	Construction Industries—Con.											
	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	781	10 418	185 541	700 826	589 945	331 091	270 674	110 881	10 181	3	2
1721	Painting, paper hanging, and decorating	427	2 692	37 441	87 228	79 899	59 805	20 276	7 329	1 964	6	6
1731	Electrical work	430	7 997	162 973	450 296	438 806	247 066	203 077	11 491	5 536	3	2
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	299	3 816	55 813	142 709	137 905	91 532	47 364	4 804	1 772	5	3
1742	Plastering, drywall, and insulation work	198	4 201	73 671	207 009	185 218	121 740	65 672	21 792	2 114	3	3
1743	Terrazzo, tile, marble, and mosaic work	60	376	5 621	16 690	16 179	9 496	6 927	*511	*643	15	14
175	Carpentering and flooring:											
1751	Carpentering	369	2 579	36 775	103 969	92 614	62 683	31 363	11 355	1 605	7	6
1752	Floor laying and other floorwork	113	1 050	15 565	52 095	48 315	29 540	19 402	3 780	547	8	7
1761	Roofing and sheet metal work	258	3 710	63 055	182 050	175 941	104 470	72 910	6 109	2 711	5	3
1771	Concrete work	234	4 710	72 545	230 917	213 297	121 317	96 730	17 620	5 578	5	3
1781	Water well drilling	*11	69	1 083	4 123	(D)	2 596	1 543	(D)	(D)	32	—
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	40	638	10 882	27 909	26 675	20 292	10 372	*1 234	531	10	12
1793	Glass and glazing work	49	640	12 272	38 318	37 774	19 121	21 807	*544	238	7	7
1794	Excavating and foundation work	146	2 018	33 166	112 181	98 932	76 610	26 503	13 249	5 111	4	3
1795	Wrecking and demolition work	12	193	2 597	12 313	(D)	8 730	1 231	(D)	(D)	(W)	—
1796	Installing building equipment, n.e.c.	36	948	26 831	86 967	85 525	61 044	24 620	1 442	320	3	1
1799	Special trade contractors, n.e.c.	263	2 024	29 238	93 891	86 281	55 292	33 165	7 610	2 391	5	5
6552	Subdividers and developers, n.e.c.	113	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	—	—
	WILMINGTON, DEL.-N.J.-MD., SMSA											
	Construction Industries and subdividers and developers	1 061	12 906	261 464	1 340 005	938 595	530 056	434 907	401 411	14 657	2	1
	Construction Industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	174	713	7 952	48 671	37 135	25 104	12 433	11 536	412	12	19
1522	Other residential buildings	12	148	(D)	10 786	(D)	3 251	2 635	(D)	(D)	3	—
1531	Operative builders	22	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	—	—
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	19	500	9 263	56 724	27 430	14 439	13 538	29 294	451	6	5
1542	Nonresidential buildings, n.e.c.	39	464	9 660	75 362	26 282	15 504	11 025	49 080	456	7	9
16	Heavy construction general contractors:											
1611	Highway and street construction	36	1 127	21 417	94 773	77 982	62 759	(D)	16 791	3 171	5	3
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	—
1623	Water, sewer, and utility lines	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	—
1629	Heavy construction, n.e.c.	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	—
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	159	2 944	71 159	131 783	121 473	100 050	22 520	10 311	877	3	4
1721	Painting, paper hanging, and decorating	66	314	4 900	12 249	11 823	9 010	2 884	426	86	10	8
1731	Electrical work	81	830	19 297	42 819	41 890	25 660	16 254	930	390	8	6
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	56	410	5 237	15 037	14 245	9 191	(D)	792	340	17	14
1742	Plastering, drywall, and insulation work	36	463	8 212	22 239	(D)	13 253	(D)	(D)	(D)	10	—
1743	Terrazzo, tile, marble, and mosaic work	*10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	—
175	Carpentering and flooring:											
1751	Carpentering	115	378	4 531	15 478	12 923	7 683	(D)	2 555	*239	19	19
1752	Floor laying and other floorwork	5	54	950	2 681	(D)	1 685	1 152	(D)	*147	37	—

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	WILMINGTON, DEL.-N.J.-MD., SMSA—Con.											
15,16,17	Construction industries—Con.											
175	Special trade contractors—Con.											
1761	Carpentering and flooring—Con.											
1761	Roofing and sheet metal work -----	57	808	13 738	41 509	40 349	24 628	(D)	1 160	1 250	9	7
1771	Concrete work -----	42	626	11 130	40 435	32 852	22 239	(D)	7 583	(D)	10	9
1781	Water well drilling -----	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1793	Glass and glazing work -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1794	Excavating and foundation work -----	43	372	6 074	22 259	20 016	15 761	4 363	2 243	1 324	15	7
1795	Wrecking and demolition work -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c. -	12	125	2 485	6 909	(D)	4 062	1 912	(D)	(D)	14	-
1799	Special trade contractors, n.e.c. ----	34	223	4 199	11 301	11 006	6 753	(D)	295	190	13	13
6552	Subdividers and developers, n.e.c. ---	-	-	-	-	-	-	-	-	-	-	-

North Carolina

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SUMMARY OF FINDINGS

During 1982, 39,566 establishments in North Carolina operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$7.5 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 26,866 establishments in this State with no payroll accounted for about 11 percent of all business receipts for all construction establishments in North Carolina. On the other hand, 12,700 establishments classified as "employers" accounted for 89 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$6.6 billion, of which \$6.4 billion were receipts for construction work. These establishments paid \$1.6 billion for construction work subcontracted to others, leaving net construction receipts of about \$4.9 billion. Value added for these establishments amounted to \$2.7 billion. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in North Carolina paid \$2.2 billion for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$149 million were also made for selected power,

fuels, and lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in North Carolina was 112 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 38.7 million hours, while hours worked during the third quarter were 43.2 million hours.

Total payroll for 1982 was \$1.5 billion. Payments of \$271 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for North Carolina are based on a sample of about 4,500 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprie- tors and working partners	All em- ployees**	All business receipts	Number	Proprie- tors and working partners	All business receipts	Number	Proprie- tors and working partners	All em- ployees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1982													
	Construction industries and subdividers and developers.....	39 566	31 948	111 741	7 464 130	26 866	26 789	849 838	12 700	5 159	111 741	6 614 292	1	1
15,16, 17	Construction industries¹	38 689	31 420	111 110	7 306 911	26 142	26 265	757 222	12 547	5 155	111 110	6 549 689	1	1
15	General building contractors and operative builders	7 260	4 864	31 927	3 128 896	3 897	3 826	266 492	3 363	1 038	31 927	2 862 404	2	1
16	Heavy construction, general contractors ..	1 686	1 143	17 024	1 169 386	991	999	39 498	695	144	17 024	1 129 888	2	1
17	Special trade contractors	29 743	25 413	62 159	3 008 629	21 254	21 440	451 232	8 489	3 973	62 159	2 557 397	1	1
1711	Plumbing, heating, and air conditioning....	3 936	2 797	16 306	893 350	2 031	2 052	74 785	1 905	745	16 306	818 565	2	2
1731	Electrical work	2 733	1 970	11 175	591 189	1 591	1 606	51 278	1 142	364	11 175	539 911	2	2
6552	Subdividers and developers, n.e.c.²	872	526	622	157 211	724	524	92 616	148	2	622	64 595	18	15
	1977													
	Construction industries and subdividers and developers.....	33 751	29 153	116 261	4 845 226	19 388	19 893	355 958	14 363	9 260	116 261	4 489 268	1	1
15,16, 17	Construction industries¹	33 293	28 699	115 415	4 764 131	19 036	19 481	326 667	14 257	9 218	115 415	4 437 464	1	1
15	General building contractors and operative builders	7 792	6 028	37 189	2 139 529	3 145	3 203	142 839	4 647	2 825	37 189	1 996 690	2	2
16	Heavy construction, general contractors ..	1 497	1 005	18 827	828 824	619	645	13 755	878	360	18 827	815 069	2	1
17	Special trade contractors	24 004	21 666	59 399	1 795 778	15 272	15 633	170 073	8 732	6 033	59 399	1 625 705	1	1
1711	Plumbing, heating, and air conditioning....	3 242	2 588	14 908	538 370	1 403	1 450	27 179	1 839	1 138	14 908	511 191	3	2
1731	Electrical work	2 214	1 735	11 224	348 452	1 080	1 115	14 551	1 134	620	11 224	333 901	3	3
6552	Subdividers and developers, n.e.c.²	464	454	851	181 100	352	412	29 291	112	42	851	151 809	14	12

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

(Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes)

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1982													
The State	39 566	31 948	111 741	7 464 130	26 866	26 789	849 838	12 700	5 159	111 741	6 614 292	1	1
\$10,000,000 or more	70	4	21 801	(D)	10	—	(D)	69	4	21 801	(D)	(W)	—
\$5,000,000 to \$9,999,999	104	2	8 602	(D)	2	2	(D)	102	—	8 602	2 886 033	(W)	(W)
\$2,500,000 to \$4,999,999	254	10	13 133	3 820 730	5	6	72 636	249	4	13 133	862 061	(W)	1
\$1,000,000 to \$2,499,999	641	60	15 695	971 405	26	25	39 148	615	35	15 695	932 257	2	3
\$500,000 to \$999,999	1 005	180	11 800	700 667	103	93	71 518	902	87	11 800	629 149	4	4
\$250,000 to \$499,999	1 922	637	13 343	660 936	258	232	86 062	1 664	405	13 343	574 874	4	4
\$100,000 to \$249,999	4 041	2 295	13 771	635 423	1 121	1 096	168 614	2 920	1 199	13 771	466 809	4	4
\$50,000 to \$99,999	4 400	3 347	7 157	312 167	2 026	2 030	140 412	2 374	1 317	7 157	171 755	4	4
\$25,000 to \$49,999	5 304	4 576	3 913	188 737	3 428	3 499	120 456	1 876	1 077	3 913	68 281	5	4
Less than \$25,000	21 823	20 835	2 524	174 063	19 896	19 806	150 992	1 927	1 029	2 524	23 071	4	4
\$10,000 to \$24,999	(NA)	(NA)	(NA)	(NA)	6 266	6 273	95 915	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	5 451	5 415	36 864	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999	(NA)	(NA)	(NA)	(NA)	5 207	5 174	15 241	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000	(NA)	(NA)	(NA)	(NA)	2 972	2 944	2 972	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977													
The State	33 751	29 153	116 261	4 845 226	19 388	19 893	355 958	14 363	9 260	116 261	4 489 268	1	1
\$10,000,000 or more	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 ²	106	2	23 326	1 298 662	—	—	—	106	2	23 326	1 298 662	(W)	(W)
\$2,500,000 to \$4,999,999	169	7	10 474	(D)	1	2	(D)	168	5	10 474	575 625	1	2
\$1,000,000 to \$2,499,999	513	53	16 735	1 344 561	11	11	17 992	502	42	16 735	750 944	1	2
\$500,000 to \$999,999	794	166	13 197	545 097	45	48	29 691	749	118	13 197	515 406	2	4
\$250,000 to \$499,999	1 570	637	14 560	545 684	116	113	38 669	1 454	524	14 560	507 015	3	4
\$100,000 to \$249,999	3 425	2 285	16 698	540 643	359	390	54 989	3 066	1 895	16 698	485 654	3	4
\$50,000 to \$99,999	4 012	3 327	11 423	283 988	692	748	47 334	3 320	2 579	11 423	236 654	5	5
\$25,000 to \$49,999	3 948	3 756	5 677	138 448	1 630	1 787	55 650	2 318	1 969	5 677	82 798	6	6
Less than \$25,000	19 214	18 919	(S)	148 144	16 534	16 794	111 633	(S)	(S)	(S)	36 511	—	7
\$10,000 to \$24,999	5 951	5 768	3 066	(D)	4 109	4 287	61 429	1 842	1 481	3 066	(D)	8	—
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	5 027	5 078	33 843	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999	(NA)	(NA)	(NA)	(NA)	4 945	4 961	14 424	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500	(NA)	(NA)	(NA)	(NA)	2 453	2 468	1 937	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers -----	12 700	111 741	92 814	1 496 029	1 121 045	163 812	6 430 837	4 866 088
15,16, 17	Construction industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	2 119	9 448	7 919	91 682	70 829	11 800	532 014	376 507
1522	Other residential buildings -----	190	1 796	1 462	25 480	17 850	2 403	194 522	99 601
1531	Operative builders -----	438	2 904	1 506	38 305	16 544	2 623	1325 634	215 028
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	186	9 738	7 711	208 244	141 494	21 350	900 657	517 193
1542	Nonresidential buildings, n.e.c. -----	430	8 041	6 439	114 226	75 599	11 368	842 179	416 074
16	Heavy construction general contractors:								
1611	Highway and street construction -----	219	6 882	6 071	81 020	64 691	11 275	437 300	338 718
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	20	609	521	9 247	7 220	1 115	52 548	39 901
1623	Water, sewer, and utility lines -----	288	7 104	6 230	102 375	79 921	12 005	358 661	277 434
1629	Heavy construction, n.e.c. -----	168	2 429	2 022	66 254	54 773	4 029	255 408	222 621
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning -----	1 905	16 306	13 149	238 907	180 556	23 161	802 393	736 930
1721	Painting, paper hanging, and decorating -----	663	3 345	3 096	30 291	26 418	4 216	75 191	71 259
1731	Electrical work -----	1 142	11 175	9 439	157 756	125 606	16 135	530 616	505 637
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	882	4 204	3 919	30 877	28 843	4 757	70 386	66 181
1742	Plastering, drywall, and insulation work -----	358	5 289	4 582	65 966	51 687	7 820	195 398	184 116
1743	Terrazzo, tile, marble, and mosaic work -----	119	722	585	7 373	5 258	953	25 920	24 465
175	Carpentering and flooring:								
1751	Carpentering -----	832	2 999	2 778	22 121	19 970	3 459	81 006	68 818
1752	Floor laying and other floorwork -----	222	733	558	6 303	4 928	892	26 853	26 364
1761	Roofing and sheet metal work -----	553	5 197	4 462	56 486	41 679	7 204	197 431	190 613
1771	Concrete work -----	428	3 076	2 710	30 503	24 981	4 391	115 421	110 526
1781	Water well drilling -----	102	501	371	6 041	4 369	673	25 321	26 183
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	92	849	766	11 629	9 971	1 442	29 037	26 144
1793	Glass and glazing work -----	78	1 018	658	14 479	9 501	1 294	47 697	47 165
1794	Excavating and foundation work -----	495	3 049	2 609	28 526	23 485	4 153	114 344	105 749
1795	Wrecking and demolition work -----	8	160	134	(D)	1 069	192	(D)	(D)
1796	Installing building equipment, n.e.c. -----	83	1 020	807	17 077	12 254	1 396	58 541	57 306
1799	Special trade contractors, n.e.c. -----	527	2 516	2 118	(D)	19 797	3 350	(D)	(D)
6552	Subdividers and developers, n.e.c. -----	148	622	185	7 595	1 747	343	137 247	22 645

†Land receipts for SIC 1531 were \$35,194; for SIC 6552 were \$24,444.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
2 659 520	2 330 382	1 564 749	78 231	113 797	1 247 514	116 261	4 329 842	1 833 095	1	1	3	15,16, 17
												15
188 051	197 980	155 506	3 278	6 509	70 822	14 388	557 370	172 363	4	4	5	152
41 420	59 448	94 921	1 648	1 622	13 644	1 379	68 607	14 905	5	4	16	1521
												1522
68 685	152 990	110 606	941	6 495	48 509	4 260	365 533	107 853	5	4	18	1531
345 895	180 377	383 464	13 370	11 770	111 821	7 580	385 144	115 990	1	1	2	154
217 217	204 542	426 105	5 448	7 017	67 075	9 582	552 211	167 751	2	2	2	1541
												1542
												16
161 671	193 138	98 581	12 419	11 539	228 816	9 868	456 508	196 617	2	2	2	1611
11 698	(D)	12 647	1 725	5 833	12 741	964	45 634	18 779	6	2	(W)	162
123 982	161 567	81 226	10 710	14 135	151 466	5 421	159 533	83 998	2	2	4	1622
161 627	62 530	32 787	2 607	1 639	28 479	2 574	125 450	65 146	3	2	12	1623
												1629
												17
403 470	349 631	65 463	9 012	13 434	118 784	14 908	501 398	238 921	2	2	2	1711
51 691	20 795	3 932	712	2 068	14 831	4 077	57 403	40 160	7	6	13	1721
245 053	269 879	24 979	3 012	7 832	73 362	11 224	330 236	180 300	2	2	5	1731
45 307	21 331	4 205	673	1 223	15 732	6 963	73 466	53 073	6	6	6	174
103 250	87 896	11 282	1 974	3 263	24 572	4 087	111 261	67 059	4	3	14	1741
12 820	11 777	1 455	214	382	3 121	832	21 340	11 361	11	8	17	1742
												1743
40 293	29 229	12 187	418	1 192	11 401	2 377	52 626	30 038	7	7	13	175
14 385	12 887	489	143	84	3 130	893	28 666	12 759	14	13	9	1751
												1752
98 394	94 432	6 817	2 073	2 938	32 332	4 429	122 776	65 873	4	4	5	1761
67 940	46 490	4 895	1 432	1 930	33 917	1 971	47 349	26 090	8	8	13	1771
14 140	12 206	138	123	*3 037	18 724	760	30 752	17 592	17	18	44	1781
20 052	6 850	2 892	536	423	5 849	639	17 975	10 679	12	13	19	179
26 799	29 799	532	770	812	5 223	673	21 375	13 776	9	11	17	1791
80 001	29 309	8 595	3 492	5 483	105 104	2 391	78 473	54 313	8	7	9	1793
(D)	(D)	(D)	25	153	2 712	102	3 126	2 650	(W)	—	(W)	1794
39 460	19 460	1 235	299	266	8 698	761	30 007	19 934	7	5	4	1795
(D)	39 138	(D)	981	1 764	21 442	2 312	56 478	35 828	8	—	13	1796
												1799
17 870	7 678	14 602	188	944	15 199	851	29 150	9 293	18	12	9	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	12 700	14 363	13 642	9 414	2	2	3	2
Number of establishments in business at end of year	12 366	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Proprietors and working partners	5 159	9 260	10 316	7 749	3	3	3	4
All employees**	111 741	116 261	131 261	98 962	1	1	2	1
Construction workers:								
March	89 895	93 192	106 855	84 348	1	1	2	1
May	93 604	103 548	113 691	89 888	1	1	2	1
August	93 974	106 968	119 082	93 971	1	1	2	1
November	89 123	99 507	111 157	86 026	1	1	2	1
Average	92 814	100 865	113 986	89 397	1	1	2	1
Other employees:								
March	18 638	14 902	16 666	9 726	1	2	2	2
Construction worker hours (thousands):								
January to March	38 741	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
April to June	42 222	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
July to September	43 161	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
October to December	39 686	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Total hours worked	163 812	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Payroll, all employees	1 496 029	1 031 016	874 654	466 903	1	1	1	1
Payroll, construction workers	1 121 045	817 350	705 067	389 865	1	1	1	1
Payroll, other employees	374 983	213 667	169 587	76 959	1	1	2	1
First quarter payroll, all employees	352 983	219 262	(NA)	(NA)	1	1	(NA)	(NA)
Employer costs for fringe benefits	271 326	140 790	(NA)	(NA)	1	1	(NA)	(NA)
Legally required expenditures	204 666	102 776	(NA)	(NA)	1	1	(NA)	(NA)
Voluntary expenditures	66 660	38 014	(NA)	(NA)	1	1	(NA)	(NA)
All business receipts	6 614 292	4 489 268	3 610 418	2 000 906	1	1	2	1
Total construction receipts	6 430 837	4 329 842	3 446 283	1 935 216	1	1	2	1
Receipts for work subcontracted in from others	1 147 018	910 629	570 917	288 907	2	1	3	2
Land receipts ¹	59 638	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
Other business receipts	123 815	159 427	164 135	65 899	3	3	5	3
Net construction receipts†	4 866 088	3 414 120	2 697 124	1 522 692	1	1	2	1
Value added††	2 659 520	1 833 095	1 493 020	834 759	1	1	2	1
Selected payments	3 895 132	2 600 238	2 025 430	1 143 141	1	1	2	1
Materials, components, and supplies ²	2 181 097	1 592 509	1 276 271	730 465	1	1	2	1
Construction work subcontracted to others	1 564 749	915 722	749 159	412 556	1	1	2	3
Selected power, fuels, and lubricants	149 285	92 007	(NA)	(NA)	1	1	(NA)	(NA)
Electricity	18 563	10 025	(NA)	(NA)	2	3	(NA)	(NA)
Natural gas	3 612	3 853	(NA)	(NA)	4	4	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	116 167	68 876	(NA)	(NA)	1	1	(NA)	(NA)
Other, including lubricating oils and greases	10 943	9 253	(NA)	(NA)	2	3	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	2 607	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	78 231	54 597	(NA)	(NA)	1	2	(NA)	(NA)
For machinery and equipment	61 583	46 523	44 269	24 138	2	2	8	2
For structures	16 647	8 074	(NA)	(NA)	2	2	(NA)	(NA)
Selected purchased services	111 078	101 657	(NA)	(NA)	1	1	(NA)	(NA)
Communication services	27 720	19 177	(NA)	(NA)	2	2	(NA)	(NA)
Repairs to structures and related facilities	5 672	4 094	(NA)	(NA)	6	10	(NA)	(NA)
Repairs to machinery and equipment	77 686	78 386	(NA)	(NA)	1	1	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	6 430 837	4 329 842	3 446 283	1 935 216	1	1	2	1
Government owned	1 362 700	1 072 155	851 903	616 604	2	1	2	2
Privately owned	5 068 137	3 257 687	2 594 380	1 318 612	1	1	2	2

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item					Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	1 193 349	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	113 797	136 485	122 062	48 917	3	2	4	3
New -----	84 879	108 932	100 770	40 258	3	3	5	3
Used -----	28 917	27 553	21 292	8 659	5	5	8	6
Retirements and disposition of depreciable assets -----	59 631	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	1 247 514	886 890	611 707	(NA)	2	1	3	(NA)
Depreciation charges during year -----	154 697	89 716	67 868	(NA)	2	2	3	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	200 609	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	16 855	18 109	29 221	7 728	12	20	16	7
New structures and related facilities -----	13 700	14 234	24 403	6 304	7	13	12	4
Used structures and related facilities -----	3 155	3 875	4 818	1 424	27	27	20	11
Retirements and disposition of depreciable assets -----	9 131	(NA)	(NA)	(NA)	22	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	208 333	163 993	124 535	(NA)	5	4	5	(NA)
Depreciation charges during year -----	16 396	8 747	6 608	(NA)	5	5	3	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	992 740	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	96 941	118 376	92 841	41 189	3	3	7	4
New machinery and equipment, including automobiles and trucks -----	71 179	94 698	76 367	33 954	3	2	5	3
New automobiles and trucks, intended primarily for highway use -----	29 129	39 457	(NA)	(NA)	3	3	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	25 762	23 678	16 474	7 235	4	4	9	6
Retirements and disposition of depreciable assets -----	50 500	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	1 039 181	722 897	487 172	(NA)	2	1	3	(NA)
Depreciation charges during year -----	138 300	80 970	61 260	(NA)	2	2	3	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	12 700	2
Total construction receipts	6 430 837	1
Establishments with inventories:		
Number	3 033	7
Total construction receipts	2 565 908	1
Inventories ¹ :		
End of 1982, total	119 204	5
Value for establishments with LIFO reserve	5 349	1
Amount of LIFO reserve	2 501	3
Value for establishments with no LIFO reserve	113 855	5
End of 1981, total	128 424	5
Value for establishments with LIFO reserve	6 660	4
Amount of LIFO reserve	2 745	10
Value for establishments with no LIFO reserve	121 764	5
Establishments with no inventories:		
Number	9 667	1
Total construction receipts	3 864 929	1

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Establishments with an average of—									
	Total	1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1982										
Number of establishments	12 700	7 943	2 503	1 246	712	188	78	20	6	3
All employees**	111 741	16 289	16 484	16 782	21 082	12 655	11 119	6 747	10 582	(D)
Payroll, all employees	1 496 029	133 004	164 351	201 091	284 907	190 094	162 944	97 923	261 715	(D)
Construction worker hours (thousands)	163 812	20 375	20 704	21 677	29 619	19 671	17 074	10 617	24 071	(D)
All business receipts	6 614 292	735 234	706 360	808 866	1 217 203	3 146 628	(D)	(D)	(D)	(D)
Total construction receipts	6 430 837	704 615	683 617	776 040	1 169 196	817 029	829 233	1 451 107	(D)	(D)
Net construction receipts†	4 866 088	570 317	573 941	637 630	926 237	603 067	540 002	1 014 893	(D)	(D)
Value added††	2 659 520	301 069	315 623	359 718	519 973	322 989	257 730	582 417	(D)	(D)
Payments for materials, components, supplies, and fuels	2 330 383	280 082	270 937	300 471	438 707	298 993	291 586	449 606	(D)	(D)
Payments for construction work subcontracted to others	1 564 749	134 298	109 676	138 409	242 959	213 962	289 231	436 214	(D)	(D)
Rental payments for machinery, equipment, and structures	78 231	5 838	6 790	8 096	15 765	7 103	12 497	3 940	18 200	(D)
Capital expenditures, other than land	113 797	13 906	14 484	16 278	20 927	11 913	15 992	9 646	10 648	(D)
End-of-year gross book value of depreciable assets	1 247 514	170 261	178 975	168 856	249 464	135 125	115 163	110 371	119 298	(D)
1977										
All employees**	116 261	18 474	19 741	18 318	20 498	13 876	9 561	8 094	7 699	(D)
Total construction receipts	4 329 842	615 545	575 586	617 216	787 691	576 113	478 946	365 882	312 863	(D)
Value added††	1 833 095	256 722	235 647	269 473	332 615	249 755	175 490	162 366	151 027	(D)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	2	4	4	2	(W)	(W)	(W)	(W)	—
Net construction receipts†	1	3	4	4	1	(W)	(W)	(W)	(W)	—
Capital expenditures, other than land	3	16	14	9	5	(W)	(W)	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments -----	12 700	1 927	1 876	2 374	2 920	1 664	902	615	249	102	69
All employees** -----	111 741	2 524	3 913	7 157	13 771	13 343	11 800	15 695	13 133	8 602	21 801
Payroll, all employees -----	1 496 029	7 350	20 335	49 361	120 282	147 094	153 114	225 603	198 592	133 525	440 771
Construction worker hours (thousands) -----	163 812	2 226	4 041	8 204	16 903	17 740	16 297	22 979	20 155	13 381	41 881
All business receipts -----	6 614 292	23 071	68 281	171 755	466 809	574 874	629 149	932 257	862 061	2 886 033	(D)
Total construction receipts -----	6 430 837	22 614	67 249	169 457	455 320	560 961	604 381	889 281	828 606	661 346	2 171 620
Net construction receipts† -----	4 866 088	20 088	61 653	154 764	405 101	474 737	508 714	729 507	651 232	471 945	1 388 345
Value added†† -----	2 659 520	11 974	37 255	91 179	223 101	263 475	281 075	402 324	372 412	243 656	733 066
Payments for materials, components, supplies, and fuels -----	2 330 383	8 357	24 942	65 010	190 554	220 183	243 391	354 264	303 439	238 872	681 366
Payments for construction work subcontracted to others -----	1 564 749	2 525	5 596	14 693	50 219	86 223	95 667	159 774	177 374	189 401	783 275
Rental payments for machinery, equipment, and structures -----	78 231	214	525	1 557	4 763	6 011	6 142	9 440	10 958	6 043	32 576
Capital expenditures, other than land -----	113 797	370	935	3 250	10 345	12 285	12 249	19 196	15 027	9 926	30 210
End-of-year gross book value of depreciable assets -----	1 247 514	7 499	19 578	54 031	130 848	138 247	139 191	210 155	151 580	111 005	285 378
1977											
All employees** -----	116 261	(S)	5 677	11 423	16 698	14 560	13 197	16 735	10 474	123 326	(NA)
Total construction receipts -----	4 329 842	(S)	81 415	233 495	474 829	493 048	496 297	715 326	541 856	11 257 387	(NA)
Value added†† -----	1 833 095	(S)	50 098	119 120	205 727	210 421	218 142	292 147	224 525	1492 482	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees** -----	1	4	5	4	4	4	4	2	(W)	(W)	(W)
Net construction receipts† -----	1	5	5	4	3	4	4	2	(W)	(W)	(W)
Capital expenditures, other than land -----	3	23	19	14	9	18	8	10	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

†Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair			
	A	B	C	A	B	C
1982						
Total construction receipts†	6 430 837	5 423 134	1 007 703	1	1	1
Building construction	4 699 889	4 063 467	636 422	1	1	1
Single-family houses	1 239 475	1 037 143	202 332	2	3	3
Single-family houses, detached	1 031 026	845 514	185 511	3	5	3
Single-family houses, attached	208 448	191 628	16 820	5	5	12
Apartment buildings with two or more apartments	283 122	259 742	23 380	2	2	4
Other residential buildings	128 826	115 639	13 187	3	3	6
Office and bank buildings	631 599	558 132	73 466	1	1	2
Office buildings	462 772	404 002	58 770	2	2	2
Bank buildings and other financial institutions	168 827	154 130	14 696	1	1	7
Industrial buildings and warehouses	1 378 813	1 191 375	187 438	1	1	2
Industrial buildings	1 234 375	1 065 150	169 224	1	1	3
Warehouses	144 438	126 224	18 213	3	4	4
Stores, restaurants, public garages, and automobile service stations	361 848	300 413	61 434	2	2	4
Religious buildings	72 008	60 582	11 426	4	5	6
Educational buildings	189 480	165 690	23 789	2	3	4
Hospitals and institutional buildings	282 729	256 216	26 513	2	2	2
Amusement, social, and recreational buildings	31 341	29 357	1 983	6	7	10
Other nonresidential buildings	131 989	118 535	13 457	4	4	16
Nonbuilding construction	1 321 779	1 041 046	280 732	1	1	3
Highways, streets, and related facilities	452 885	280 716	172 168	2	3	4
Bridges, tunnels, and elevated highways	69 794	69 001	793	2	1	13
Dam and reservoir construction	4 409	4 263	*146	4	2	61
Power and communication transmission lines, towers, and related facilities	145 064	104 162	40 902	4	5	3
Sewers, water mains, and related facilities	227 475	205 074	22 401	3	3	9
Sewers, sewer lines, and related facilities	132 815	120 372	12 443	3	4	11
Water mains and related facilities	94 659	84 702	9 957	6	5	14
Sewage treatment and water treatment plants	119 923	118 214	1 708	2	1	19
Sewage treatment plants	93 351	92 609	741	1	1	27
Water treatment plants	26 571	25 604	966	5	6	25
Heavy industrial facilities	181 483	(D)	(D)	(W)	—	—
Blast furnaces, petroleum refineries, and chemical complexes	7 548	3 823	3 725	6	2	12
Power plants	173 935	(D)	(D)	(W)	—	—
Other nonbuilding construction	120 746	(D)	(D)	9	—	—
Construction work, n.s.k.	409 169	318 620	90 548	3	3	3
1977						
Total construction receipts†	4 329 842	3 710 996	618 846	1	1	2
Building construction	3 072 319	2 615 270	457 049	1	1	2
Single-family houses	1 270 623	1 095 128	175 495	2	3	4
Apartment buildings with two or more apartments	118 295	101 620	16 675	3	3	6
Other residential buildings	59 008	43 187	15 821	2	2	7
Office and bank buildings	219 492	185 148	34 344	1	1	3
Industrial buildings and warehouses	660 403	548 085	112 318	1	1	2
Stores, restaurants, public garages, and automobile service stations	183 062	145 477	37 585	2	2	5
Religious buildings	65 744	55 195	10 549	2	2	4
Educational buildings	208 778	188 902	19 876	1	1	6
Hospitals and institutional buildings	216 732	196 274	20 458	1	1	5
Other nonresidential buildings	70 182	56 253	13 929	4	3	6
Nonbuilding construction	991 031	867 610	123 421	1	1	3
Highways, streets, and related facilities	450 472	404 903	45 569	1	1	3
Bridges, tunnels, and elevated highways	43 683	42 855	828	(W)	(W)	(W)
Dam and reservoir construction	46 420	(D)	(D)	2	—	—
Power and communication transmission lines, towers, and related facilities	113 370	85 536	27 834	2	2	3
Sewers, water mains, and related facilities	147 677	137 588	10 089	3	3	15
Sewage treatment and water treatment plants	47 649	46 750	899	2	2	34
Power plants	32 785	(D)	(D)	1	—	—
Other nonbuilding construction	108 975	85 399	23 576	4	4	10
Construction work, n.s.k.	266 542	227 809	38 733	4	4	5

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and subdividers and developers-----	12 700	92 814	163 812	89 895	38 741	93 604	42 222
15,16,17	Construction industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses-----	2 119	7 919	11 800	7 741	2 851	8 106	3 058
1522	Other residential buildings-----	190	1 462	2 403	1 333	547	1 426	581
1531	Operative builders-----	438	1 506	2 623	1 436	616	1 623	724
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses-----	186	7 711	21 350	8 235	5 795	8 224	5 761
1542	Nonresidential buildings, n.e.c.-----	430	6 439	11 368	6 362	2 682	6 631	2 944
16	Heavy construction general contractors:							
1611	Highway and street construction-----	219	6 071	11 275	5 412	2 196	6 250	2 933
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction-----	20	521	1 115	441	215	491	256
1623	Water, sewer, and utility lines-----	288	6 230	12 005	6 013	2 706	6 229	3 080
1629	Heavy construction, n.e.c.-----	168	2 022	4 029	1 779	832	1 872	1 036
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning-----	1 905	13 149	23 161	13 264	5 721	13 057	5 852
1721	Painting, paper hanging, and decorating-----	663	3 096	4 216	2 804	948	3 104	1 091
1731	Electrical work-----	1 142	9 439	16 135	9 234	3 954	9 478	4 122
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework-----	882	3 919	4 757	3 778	1 147	3 872	1 191
1742	Plastering, drywall, and insulation work-----	358	4 582	7 820	4 346	1 851	4 465	1 969
1743	Terrazzo, tile, marble, and mosaic work-----	119	585	953	588	237	578	235
175	Carpentering and flooring:							
1751	Carpentering-----	832	2 778	3 459	2 549	797	2 719	875
1752	Floor laying and other floorwork-----	222	558	892	530	200	505	212
1761	Roofing and sheet metal work-----	553	4 462	7 204	4 324	1 613	4 370	1 826
1771	Concrete work-----	428	2 710	4 391	2 400	915	2 795	1 126
1781	Water well drilling-----	102	371	673	360	153	366	176
179	Miscellaneous special trade contractors:							
1791	Structural steel erection-----	92	766	1 442	810	352	731	347
1793	Glass and glazing work-----	78	658	1 294	640	296	646	317
1794	Excavating and foundation work-----	495	2 609	4 153	2 389	869	2 666	1 089
1795	Wrecking and demolition work-----	8	134	192	122	38	130	41
1796	Installing building equipment, n.e.c.-----	83	807	1 396	861	358	819	357
1799	Special trade contractors, n.e.c.-----	527	2 115	3 350	1 939	745	2 247	915
6552	Subdividers and developers, n.e.c.-----	148	185	343	198	92	196	96

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
93 974	43 161	89 123	39 686	1	1	1	1	1	1	1	1	1	1	15,16,17
														15
7 698	3 051	7 253	2 838	4	4	4	5	4	5	4	5	4	5	152
1 501	639	1 537	634	4	5	4	6	4	5	4	6	6	6	1521
														1522
1 461	661	1 353	621	6	6	6	8	6	7	6	8	7	8	1531
7 933	5 536	6 390	4 256	1	1	1	1	1	1	2	2	2	1	154
6 637	2 983	5 963	2 758	2	2	2	3	2	2	2	2	2	2	1541
														1542
														16
6 430	3 202	6 146	2 942	2	2	2	2	2	2	2	2	2	2	1611
														162
542	295	607	348	7	7	8	9	8	8	6	6	6	5	1622
6 292	3 180	6 314	3 038	2	2	2	2	3	3	2	2	2	3	1623
2 116	1 093	2 226	1 067	3	3	5	5	3	3	3	3	4	4	1629
														17
13 013	5 884	12 587	5 703	2	2	2	2	2	2	2	2	2	2	1711
3 227	1 137	3 033	1 039	8	7	8	9	8	9	8	8	8	9	1721
9 560	4 187	9 047	3 870	2	2	2	3	2	3	2	3	2	3	1731
														174
3 895	1 246	3 768	1 171	7	7	7	9	7	8	7	8	7	9	1741
4 724	2 020	4 624	1 979	4	3	4	3	4	4	6	4	4	3	1742
571	248	566	231	12	11	12	14	12	13	12	13	12	15	1743
														175
2 586	876	2 842	909	7	8	8	10	8	10	8	10	9	10	1751
559	242	530	236	14	13	14	18	13	18	14	17	15	18	1752
4 645	2 003	4 326	1 760	4	4	4	5	4	5	4	5	4	5	1761
2 853	1 223	2 671	1 126	7	7	8	9	8	8	8	8	8	8	1771
362	171	374	171	17	19	18	23	17	22	18	23	17	22	1781
														179
778	376	735	365	11	12	13	14	11	14	12	13	12	14	1791
658	338	667	341	9	9	9	11	9	10	9	10	10	11	1793
2 600	1 136	2 638	1 058	8	8	9	10	8	9	8	9	9	9	1794
148	61	129	51	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	1795
767	354	740	326	7	6	7	7	7	7	6	7	6	7	1796
2 236	928	1 892	760	8	8	8	10	8	10	8	9	8	10	1799
174	80	160	74	17	19	13	20	15	21	21	28	20	27	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers	8.8	13.4	1.8	69.3	.233	.362	.243	.018	.012
15,16, 17	Construction Industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses	4.5	9.7	1.5	67.2	.172	.372	.292	.012	.006
1522	Other residential buildings	9.5	14.2	1.6	133.1	.131	.306	.488	.008	.008
1531	Operative builders	6.6	13.2	1.7	216.2	.118	.470	.340	.020	.003
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses	52.4	21.4	2.8	116.8	.231	.200	.426	.013	.015
1542	Nonresidential buildings, n.e.c.	18.7	14.2	1.8	130.8	.136	.243	.506	.008	.006
16	Heavy construction general contractors:									
1611	Highway and street construction	31.4	11.8	1.9	72.0	.185	.442	.225	.026	.028
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction	30.4	15.2	2.1	100.9	.176	(D)	.241	.111	.033
1623	Water, sewer, and utility lines	24.7	14.4	1.9	57.6	.285	.450	.226	.039	.030
1629	Heavy construction, n.e.c.	14.5	27.3	2.0	126.3	.259	.245	.128	.006	.010
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning	8.6	14.7	1.8	61.0	.298	.436	.082	.017	.011
1721	Painting, paper hanging, and decorating	5.0	9.1	1.4	24.3	.403	.277	.052	.028	.009
1731	Electrical work	9.8	14.1	1.7	56.2	.297	.509	.047	.015	.006
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework	4.8	7.3	1.2	18.0	.439	.303	.060	.017	.010
1742	Plastering, drywall, and insulation work	14.8	12.5	1.7	42.6	.338	.450	.058	.017	.010
1743	Terrazzo, tile, marble, and mosaic work	6.1	10.2	1.6	44.3	.284	.454	.056	.015	.008
175	Carpentering and flooring:									
1751	Carpentering	3.6	7.4	1.2	29.2	.273	.361	.150	.015	.005
1752	Floor laying and other floorwork	3.3	8.6	1.6	48.1	.235	.480	.018	.003	.005
1761	Roofing and sheet metal work	9.4	10.9	1.6	44.2	.286	.478	.035	.015	.010
1771	Concrete work	7.2	9.9	1.6	42.6	.264	.403	.042	.017	.012
1781	Water well drilling	4.9	12.1	1.8	70.9	.230	.464	.005	.115	.005
179	Miscellaneous special trade contractors:									
1791	Structural steel erection	9.2	13.7	1.9	37.9	.400	.236	.100	.015	.018
1793	Glass and glazing work	13.1	14.2	2.0	72.5	.304	.625	.011	.017	.016
1794	Excavating and foundation work	6.2	9.4	1.6	43.8	.249	.256	.075	.048	.031
1795	Wrecking and demolition work	20.0	(D)	1.4	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	12.3	16.7	1.7	72.5	.292	.332	.021	.005	.005
1799	Special trade contractors, n.e.c.	4.8	(D)	1.6	(D)	(D)	(D)	(D)	(D)	(D)
6552	Subdividers and developers, n.e.c.	4.2	12.2	1.9	201.3	.204	.206	.392	.025	.005

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	CHARLOTTE-GASTONIA SMSA											
	Construction industries and subdividers and developers	1 639	25 350	424 818	1 833 288	1 260 597	743 433	547 995	572 691	33 447	2	1
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	169	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	—	—
1522	Other residential buildings	19	433	7 552	55 670	27 489	11 936	15 652	28 181	161	1	(W)
1531	Operative builders	71	593	7 670	80 016	47 990	27 041	22 669	32 026	*3 411	9	9
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	30	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	—
1542	Nonresidential buildings, n.e.c.	70	1 613	26 440	238 214	112 270	55 809	57 352	125 944	835	5	4
16	Heavy construction general contractors:											
1611	Highway and street construction	26	2 076	23 013	112 861	85 255	36 826	(D)	27 606	2 674	1	1
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	—
1623	Water, sewer, and utility lines	40	1 151	17 238	43 493	38 055	26 350	(D)	5 438	3 672	6	5
1629	Heavy construction, n.e.c.	19	581	9 689	61 057	(D)	(D)	33 405	(D)	535	5	—
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	284	2 560	42 482	144 563	128 274	77 565	53 635	16 288	2 092	6	4
1721	Painting, paper hanging, and decorating	103	543	6 295	16 600	15 421	10 270	5 158	1 180	225	13	11
1731	Electrical work	162	1 854	33 257	129 319	127 590	62 416	65 486	1 729	1 388	5	4
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	96	756	7 172	16 323	15 273	10 813	4 652	1 050	445	19	11
1742	Plastering, drywall, and insulation work	65	1 765	24 014	63 179	60 551	35 446	28 322	2 629	890	8	5
1743	Terrazzo, tile, marble, and mosaic work	*12	69	(D)	2 658	(D)	1 499	1 119	(D)	*62	14	—
175	Carpentering and flooring:											
1751	Carpentering	85	380	3 307	11 653	9 769	6 121	3 666	*1 884	*164	20	18
1752	Floor laying and other floorwork	37	190	2 324	10 520	10 493	6 748	(D)	27	(D)	17	13
1761	Roofing and sheet metal work	86	1 383	16 458	56 498	54 478	27 710	(D)	2 020	733	7	6
1771	Concrete work	66	712	8 149	27 692	26 596	21 290	7 990	1 096	252	20	12
1781	Water well drilling	*12	*58	*625	*2 487	*2 487	*1 262	*1 235	—	*129	55	57
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	*15	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	—	—
1793	Glass and glazing work	*13	200	3 084	10 297	10 181	4 435	(D)	116	*391	27	26
1794	Excavating and foundation work	51	359	4 092	15 728	14 495	10 096	(D)	1 234	1 080	12	10
1795	Wrecking and demolition work	—	—	—	—	—	—	—	—	—	—	—
1796	Installing building equipment, n.e.c.	13	270	4 209	14 157	13 882	10 439	(D)	275	65	7	7
1799	Special trade contractors, n.e.c.	76	577	6 782	21 669	20 047	12 761	7 474	1 622	198	16	15
6552	Subdividers and developers, n.e.c.	23	49	734	*4 051	*2 354	2 105	*764	*1 697	270	29	42
	GREENSBORO-WINSTON-SALEM-HIGH POINT SMSA											
	Construction industries and subdividers and developers	1 787	20 307	315 375	1 298 122	1 007 857	506 972	520 829	290 264	18 555	2	1
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	264	1 605	16 323	120 545	71 983	32 377	41 210	48 562	1 081	11	10
1522	Other residential buildings	17	347	4 687	42 820	24 615	9 546	15 094	18 205	281	(W)	(W)
1531	Operative builders	67	649	10 078	89 447	67 222	3 368	65 901	22 226	(D)	10	4
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	50	852	12 205	64 545	33 306	15 414	18 763	31 239	963	10	9
1542	Nonresidential buildings, n.e.c.	55	1 304	17 801	116 186	59 414	32 906	(D)	56 772	1 504	6	5

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

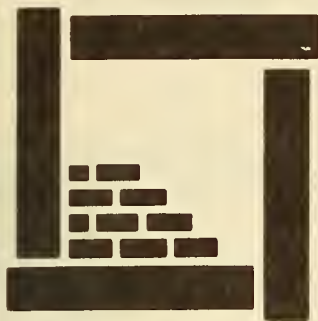
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	GREENSBORO-WINSTON-SALEM-HIGH POINT SMSA—Con.											
15,16,17	Construction industries—Ccn.											
16	Heavy construction general contractors:											
1611	Highway and street construction	32	752	10 327	41 537	36 004	9 042	(D)	5 533	(D)	4	4
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	*4	*106	1 146	(D)	(D)	*1 818	1 190	(D)	—	42	—
1623	Water, sewer, and utility lines	31	1 293	20 553	118 800	(D)	(D)	82 502	(D)	2 258	6	—
1629	Heavy construction, n.e.c.	*13	(D)	(D)	(D)	(D)	(D)	17 825	3 673	*266	—	—
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	313	4 370	76 821	221 517	204 506	114 633	91 996	17 012	4 823	2	3
1721	Painting, paper hanging, and decorating	109	581	5 787	12 049	11 693	8 840	3 053	356	*694	17	17
1731	Electrical work	156	2 312	37 899	120 099	(D)	56 494	52 482	(D)	1 794	4	—
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	113	652	3 793	8 758	8 234	5 521	(D)	524	*23	15	12
1742	Plastering, drywall, and insulation work	58	1 187	16 388	41 827	38 936	23 617	(D)	2 891	447	5	5
1743	Terrazzo, tile, marble, and mosaic work	*15	136	1 554	4 673	(D)	2 353	1 859	(D)	(D)	33	—
175	Carpentering and flooring:											
1751	Carpentering	108	453	3 414	10 906	9 763	5 507	4 483	1 144	*13	31	18
1752	Floor laying and other floorwork	50	152	*1 096	4 739	4 689	2 594	2 500	*50	—	36	37
1761	Roofing and sheet metal work	58	459	5 646	16 008	15 636	8 827	6 904	373	466	15	14
1771	Concrete work	73	411	3 603	17 413	16 957	8 244	(D)	456	372	22	26
1781	Water well drilling	(S)	(S)	(S)	*1 396	*1 372	(S)	(S)	(S)	—	—	73
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	3	43	834	(D)	(D)	931	503	(D)	—	33	—
1793	Glass and glazing work	8	174	2 523	6 366	6 276	4 506	(D)	*90	105	6	10
1794	Excavating and foundation work	55	272	3 016	13 724	12 524	10 049	(D)	1 200	474	16	14
1795	Wrecking and demolition work	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	—
1796	Installing building equipment, n.e.c.	15	273	5 271	23 100	22 715	14 100	(D)	385	141	16	8
1799	Special trade contractors, n.e.c.	90	506	5 131	18 343	17 728	9 848	8 604	615	264	19	17
6552	Subdividers and developers, n.e.c.	24	80	1 433	16 138	6 986	4 138	3 522	*9 152	*48	18	25
	NORFOLK-VIRGINIA BEACH-PORTSMOUTH, VA.-N.C., SMSA											
	Construction industries and subdividers and developers	1 751	17 410	250 161	1 038 347	783 195	448 629	352 097	255 152	21 395	3	2
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	292	1 400	12 854	81 386	56 603	27 517	29 951	24 783	938	14	14
1522	Other residential buildings	21	285	5 133	36 863	16 007	8 021	8 059	20 856	350	3	3
1531	Operative builders	72	672	9 351	78 732	44 699	15 085	30 539	34 033	796	11	4
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	25	628	8 801	58 857	23 297	16 694	(D)	35 560	708	13	4
1542	Nonresidential buildings, n.e.c.	75	825	13 832	106 316	45 172	26 616	18 752	61 144	1 209	9	10
16	Heavy construction general contractors:											
1611	Highway and street construction	23	421	5 565	19 191	17 945	8 574	9 806	1 246	283	11	8
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	—	—	—	—	—	—	—	—	—	—	—
1623	Water, sewer, and utility lines	41	1 074	14 255	60 100	48 927	27 379	21 796	11 173	2 493	9	6
1629	Heavy construction, n.e.c.	30	1 529	36 873	129 250	101 816	64 053	39 261	27 434	5 575	3	2

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	NORFOLK-VIRGINIA BEACH-PORTSMOUTH, VA.-N.C., SMSA—Con.											
15,16,17	Construction Industries—Con.											
	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	261	2 280	34 839	131 470	119 935	62 800	59 269	11 535	2 537	6	6
1721	Painting, paper hanging, and decorating	111	676	8 548	18 764	18 158	14 057	(D)	606	225	13	10
1731	Electrical work	161	1 390	22 229	69 844	65 284	37 932	30 717	4 560	1 010	7	5
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	81	1 046	9 895	23 215	20 833	13 405	(D)	2 382	363	10	8
1742	Plastering, drywall, and insulation work	68	667	8 080	21 895	21 349	12 403	9 321	*546	610	13	12
1743	Terrazzo, tile, marble, and mosaic work	21	156	1 944	6 430	6 234	3 288	(D)	196	(D)	13	9
175	Carpentering and flooring:											
1751	Carpentering	127	567	5 515	21 727	18 555	10 835	8 158	3 172	288	15	12
1752	Floor laying and other floorwork	26	189	1 745	6 327	(D)	2 678	3 267	(D)	—	29	—
1761	Roofing and sheet metal work	98	1 078	11 695	43 239	41 767	22 122	20 569	1 472	565	9	7
1771	Concrete work	34	620	7 781	29 300	23 473	15 649	9 347	5 827	900	11	6
1781	Water well drilling	14	43	582	3 397	(D)	2 066	1 279	(D)	122	23	—
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	12	182	3 850	12 367	(D)	8 192	2 472	(D)	298	30	—
1793	Glass and glazing work	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	—
1794	Excavating and foundation work	39	587	7 901	26 654	23 639	15 289	8 417	3 015	1 115	14	10
1795	Wrecking and demolition work	4	(D)	(D)	(D)	(S)	(D)	(S)	(D)	(S)	—	—
1796	Installing building equipment, n.e.c. .	15	163	3 288	9 549	9 346	6 405	(D)	203	(D)	(W)	(W)
1799	Special trade contractors, n.e.c.	74	767	12 721	33 460	32 427	23 063	(D)	1 033	601	11	8
6552	Subdividers and developers, n.e.c.	24	75	1 200	3 292	2 138	1 782	795	1 154	92	23	15



FINAL REPORT
GEOGRAPHIC AREA SERIES

1982
Census of
Construction Industries

CC82-A-5
Changed August 1985

CHANGE SHEET

SOUTH ATLANTIC STATES

South Carolina

The data for "Payroll-All employees," originally published in table 3 of the Geographic Area Series, South Atlantic States, publication CC82-A-5, for South Carolina have been revised. The revised data are shown in this change sheet.



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Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers -----	6 028	99 580	81 183	1 917 734	1 662 937	132 349	5 679 199	3 926 774
15,16, 17	Construction Industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	1 208	5 574	4 752	57 531	43 816	7 506	342 766	231 487
1522	Other residential buildings -----	88	1 429	1 274	18 735	14 448	2 249	160 170	94 792
1531	Operative builders -----	166	1 318	678	19 687	6 868	1 087	111 523	62 632
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	90	5 267	4 741	105 011	91 176	9 297	372 059	235 364
1542	Nonresidential buildings, n.e.c. -----	196	4 317	3 531	62 574	43 730	6 377	373 758	182 439
16	Heavy construction general contractors:								
1611	Highway and street construction -----	129	2 617	2 241	36 947	27 906	4 967	194 549	163 187
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	14	383	328	7 133	5 433	652	36 596	34 157
1623	Water, sewer, and utility lines -----	106	2 524	2 261	33 787	26 652	4 816	118 086	105 791
1629	Heavy construction, n.e.c. -----	115	(D)	(D)	(D)	(D)	(D)	(D)	(D)
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning -----	845	8 370	6 611	122 943	88 643	11 907	404 968	369 451
1721	Painting, paper hanging, and decorating -----	326	2 183	1 991	18 954	16 259	2 827	46 934	44 865
1731	Electrical work -----	456	10 555	9 490	233 746	213 048	19 973	428 660	412 347
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	358	2 010	1 943	15 766	14 589	2 605	36 416	35 069
1742	Plastering, drywall, and insulation work -----	182	1 985	1 635	26 602	20 390	2 760	85 987	80 154
1743	Terrazzo, tile, marble, and mosaic work -----	52	371	336	3 881	3 191	582	11 862	11 583
175	Carpentering and flooring:								
1751	Carpentering -----	382	1 366	1 264	11 924	10 300	1 800	47 935	38 106
1752	Floor laying and other floorwork -----	91	357	311	3 831	2 801	400	16 087	15 608
1761	Roofing and sheet metal work -----	217	2 320	2 001	25 752	19 369	3 272	87 896	84 840
1771	Concrete work -----	170	1 279	1 132	13 366	11 253	1 942	52 308	47 387
1781	Water well drilling -----	43	1 23	123	1 773	1 582	219	7 223	6 863
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	72	580	506	7 205	5 662	678	23 623	22 033
1793	Glass and glazing work -----	41	382	249	6 003	3 820	470	21 461	20 665
1794	Excavating and foundation work -----	188	1 508	1 318	18 690	14 809	2 418	74 778	66 481
1795	Wrecking and demolition work -----	3	(D)	(S)	(D)	(S)	(S)	(S)	(S)
1796	Installing building equipment, n.e.c. -----	48	722	617	14 292	11 767	1 158	37 788	35 821
1799	Special trade contractors, n.e.c. -----	348	(D)	(D)	(D)	(D)	(D)	(D)	(D)
6552	Subdividers and developers, n.e.c. -----	84	1 289	501	16 927	5 197	848	155 868	34 176

†Land receipts for SIC 1531 were \$16,703; for SIC 6552 were \$23,161.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
2 312 738	1 738 441	1 752 425	42 267	67 426	671 431	84 877	3 025 605	1 281 897	1	1	3	15,16, 17
												15
119 470	117 384	111 279	2 386	5 219	41 922	7 291	306 654	91 322	5	5	11	152
44 659	51 645	65 378	1 404	2 242	10 406	819	50 486	13 037	4	4	2	1521
												1522
44 818	29 958	48 891	1 143	3 632	82 194	1 844	140 515	31 362	13	11	3	1531
153 672	83 812	136 695	2 509	2 334	23 112	(D)	1 041 127	(D)	3	2	5	154
109 030	92 846	191 319	2 336	3 583	34 603	4 230	275 844	71 701	4	3	10	1541
												1542
												16
99 286	72 057	31 362	3 570	11 267	102 378	4 816	179 929	78 358	3	3	1	1611
												162
14 202	19 961	2 439	1 198	1 798	8 162	375	21 272	5 169	8	6	2	1622
72 745	34 599	12 295	3 087	4 483	37 254	2 400	69 192	40 086	4	6	7	1623
(D)	(D)	(D)	6 664	2 984	45 126	4 518	145 363	87 219	—	—	6	1629
												17
196 737	182 978	35 517	3 155	6 657	67 320	7 426	244 573	114 077	3	2	5	1711
32 798	12 951	2 069	523	849	6 834	2 352	32 440	23 637	8	8	11	1721
293 880	121 795	16 313	3 223	7 249	34 634	6 770	184 439	116 870	1	1	4	1731
23 321	11 841	1 347	255	256	7 321	2 905	33 187	22 216	9	9	10	174
48 221	37 342	5 832	356	1 021	8 247	2 051	54 033	27 582	7	5	11	1741
6 701	4 897	279	59	88	1 239	432	9 814	5 634	16	9	(W)	1742
												1743
21 976	16 316	9 828	293	667	5 600	1 336	25 770	15 842	10	11	12	175
7 596	(D)	479	219	160	1 458	400	14 654	8 098	14	13	10	1751
												1752
45 600	42 429	3 055	562	1 401	12 537	1 708	49 261	24 142	6	5	7	1761
24 739	23 284	4 921	1 046	1 000	15 157	643	11 273	6 036	10	10	17	1771
3 940	3 215	(S)	42	214	5 349	(D)	5 775	3 186	23	30	28	1781
16 791	6 224	1 590	790	966	8 755	926	26 359	(D)	21	13	23	179
10 617	14 619	*796	103	252	1 583	298	8 470	5 737	14	11	26	1791
46 338	21 521	8 297	4 838	4 296	54 364	812	31 842	21 728	10	8	7	1793
(S)	(D)	(S)	(S)	(S)	(S)	(D)	468	452	—	—	—	1794
25 642	10 814	1 967	387	880	6 133	649	21 972	14 610	3	4	3	1795
(D)	(D)	(D)	1 355	1 842	18 810	1 394	32 256	19 250	—	—	10	1796
												1799
32 935	9 015	21 692	717	2 050	30 771	364	8 643	(D)	7	7	2	6552



South Carolina

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-- Not applicable.

SUMMARY OF FINDINGS

During 1982, 15,079 establishments in South Carolina operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$6.2 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 9,051 establishments in this State with no payroll accounted for about 6 percent of all business receipts for all construction establishments in South Carolina. On the other hand, 6,028 establishments classified as "employers" accounted for 94 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$5.8 billion, of which \$5.7 billion were receipts for construction work. These establishments paid \$1.8 billion for construction work subcontracted to others, leaving net construction receipts of about \$3.9 billion. Value added for these establishments amounted to \$2.3 billion. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in South Carolina paid \$1.6 billion for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$121 million were also made for selected power,

fuels, and lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in South Carolina was 99.6 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 24.5 million hours, while hours worked during the third quarter were 40.7 million hours.

Total payroll for 1982 was \$1.9 billion. Payments of \$339 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for South Carolina are based on a sample of about 2,300 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
			Proprie- tors and working partners	All em- ployees**	All business receipts		Proprie- tors and working partners	All business receipts		Proprie- tors and working partners	All em- ployees**	All business receipts		
		Number				Number			Number					
		A	B	C	D	E	F	G	H	I	J	K	J	K
15,16, 17	1982													
	Construction industries and subdividers and developers-----	15 079	11 263	99 580	6 221 913	9 051	8 955	378 444	6 028	2 308	99 580	5 843 469	1	1
	Construction industries¹-----	14 698	10 985	98 288	6 058 522	8 759	8 680	301 861	5 939	2 305	98 288	5 756 661	1	1
	General building contractors and operative builders-----	3 672	2 363	17 905	1 552 345	1 924	1 787	134 783	1 748	576	17 905	1 417 562	2	2
	Heavy construction, general contractors _	476	187	44 508	2 858 540	112	116	5 165	364	71	44 508	2 853 375	(W)	(W)
17	Special trade contractors-----	10 550	8 435	35 875	1 647 637	6 723	6 777	161 913	3 827	1 658	35 875	1 485 724	2	1
1711	Plumbing, heating, and air conditioning----	1 656	1 172	8 370	444 096	811	813	28 864	845	359	8 370	415 232	3	2
1731	Electrical work-----	962	663	10 555	444 363	506	509	12 374	456	154	10 555	431 989	1	1
6552	Subdividers and developers, n.e.c.²-----	376	275	1 289	163 386	292	275	76 583	84	-	1 289	86 803	7	5
15,16, 17	1977													
	Construction industries and subdividers and developers-----	14 408	12 344	84 877	3 310 538	7 930	8 045	206 498	6 478	4 299	84 877	3 104 040	1	1
	Construction industries¹-----	14 197	12 128	84 513	(D)	7 762	7 834	186 194	6 435	4 294	84 513	(D)	1	-
	General building contractors and operative builders-----	3 526	2 650	42 073	1 956 133	1 389	1 352	98 001	2 137	1 298	42 073	1 858 132	1	1
	Heavy construction, general contractors _	667	392	12 109	(D)	231	230	7 978	436	162	12 109	(D)	2	-
	Special trade contractors-----	10 004	9 086	30 331	886 159	6 142	6 252	80 215	3 862	2 834	30 331	805 944	2	2
	Plumbing, heating, and air conditioning----	1 561	1 256	7 426	263 423	738	750	16 546	823	506	7 426	246 877	6	3
	Electrical work-----	909	745	6 770	194 001	499	513	8 268	410	232	6 770	185 733	3	3
6552	Subdividers and developers, n.e.c.²-----	214	216	364	(D)	168	211	20 304	46	5	364	(D)	32	-

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. **Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1982													
The State -----	15 079	11 263	99 580	6 221 913	9 051	8 955	378 444	6 028	2 308	99 580	5 843 469	1	1
\$10,000,000 or more -----	43	4	53 453	(D)	1	2	(D)	42	2	53 453	3 512 443	(W)	(W)
\$5,000,000 to \$9,999,999 -----	70	2	6 378	(D)	2	2	(D)	68	-	6 378	468 793	(W)	(W)
\$2,500,000 to \$4,999,999 -----	128	8	5 960	4 472 671	5	6	58 225	123	2	5 960	433 210	(W)	1
\$1,000,000 to \$2,499,999 -----	359	24	8 763	540 254	20	19	32 016	339	5	8 763	508 238	3	4
\$500,000 to \$999,999 -----	495	100	6 518	343 708	38	36	27 740	457	64	6 518	315 968	5	6
\$250,000 to \$499,999 -----	861	293	6 151	305 207	117	97	40 075	744	196	6 151	265 132	5	7
\$100,000 to \$249,999 -----	1 910	1 023	6 493	292 364	483	442	71 646	1 427	581	6 493	220 718	5	5
\$50,000 to \$99,999 -----	1 817	1 354	3 070	129 826	761	771	52 235	1 056	583	3 070	77 591	7	6
\$25,000 to \$49,999 -----	2 150	1 732	1 686	76 081	1 289	1 299	45 298	861	433	1 686	30 783	8	6
Less than \$25,000 -----	7 244	6 723	1 106	61 801	6 335	6 281	51 209	909	442	1 106	10 592	7	7
\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	2 233	2 218	34 977	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	1 585	1 577	10 687	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	1 572	1 571	4 600	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 -----	(NA)	(NA)	(NA)	(NA)	945	915	945	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977													
The State -----	14 408	12 344	84 877	3 310 538	7 930	8 045	206 498	6 478	4 299	84 877	3 104 040	1	1
\$10,000,000 or more -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 ² -----	54	3	39 704	(D)	1	1	(D)	53	2	39 704	1 545 206	(W)	(W)
\$2,500,000 to \$4,999,999 -----	76	6	5 027	1 797 809	2	3	13 972	74	3	5 027	238 629	2	2
\$1,000,000 to \$2,499,999 -----	281	37	9 417	433 203	9	9	11 533	272	28	9 417	421 670	4	3
\$500,000 to \$999,999 -----	471	151	7 108	325 095	53	43	35 143	418	108	7 108	289 952	3	5
\$250,000 to \$499,999 -----	751	340	6 513	258 611	73	75	24 877	678	265	6 513	233 734	5	5
\$100,000 to \$249,999 -----	1 656	1 252	7 626	257 776	202	195	30 623	1 454	1 057	7 626	227 153	5	6
\$50,000 to \$99,999 -----	1 499	1 271	4 449	107 231	307	330	20 700	1 192	941	4 449	86 531	7	7
\$25,000 to \$49,999 -----	1 965	1 828	3 348	70 148	668	716	22 826	1 297	1 112	3 348	47 322	9	8
Less than \$25,000 -----	7 656	7 457	1 685	60 664	6 615	6 673	46 824	1 041	784	1 685	(S)	19	-
\$10,000 to \$24,999 -----	2 535	2 420	(S)	(D)	1 918	1 959	28 573	(S)	(S)	(S)	(D)	-	-
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	1 803	1 809	12 126	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	1 839	1 849	5 309	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 -----	(NA)	(NA)	(NA)	(NA)	1 055	1 056	816	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.
²Data for this size class includes establishments with receipts of \$10,000,000 or more which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers -----	6 028	99 580	81 183	1 913 734	1 662 937	132 349	5 679 199	3 926 774
15,16, 17	Construction industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	1 208	5 574	4 752	57 531	43 816	7 506	342 766	231 487
1522	Other residential buildings -----	88	1 429	1 274	18 735	14 448	2 249	160 170	94 792
1531	Operative builders -----	166	1 318	678	19 687	6 868	1 087	111 523	62 632
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	90	5 267	4 741	105 011	91 176	9 297	372 059	235 364
1542	Nonresidential buildings, n.e.c. -----	196	4 317	3 531	62 574	43 730	6 377	373 758	182 439
16	Heavy construction general contractors:								
1611	Highway and street construction -----	129	2 617	2 241	36 947	27 906	4 967	194 549	163 187
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	14	383	328	7 133	5 433	652	36 596	34 157
1623	Water, sewer, and utility lines -----	106	2 524	2 261	33 787	26 652	4 816	118 086	105 791
1629	Heavy construction, n.e.c. -----	115	(D)	(D)	(D)	(D)	(D)	(D)	(D)
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning -----	845	8 370	6 611	122 943	88 643	11 907	404 968	369 451
1721	Painting, paper hanging, and decorating -----	326	2 183	1 991	18 954	16 259	2 827	46 934	44 865
1731	Electrical work -----	456	10 555	9 490	233 746	213 048	19 973	428 660	412 347
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	358	2 010	1 943	15 766	14 589	2 605	36 416	35 069
1742	Plastering, drywall, and insulation work -----	182	1 985	1 635	26 602	20 390	2 760	85 987	80 154
1743	Terrazzo, tile, marble, and mosaic work -----	52	371	336	3 881	3 191	582	11 862	11 583
175	Carpentering and flooring:								
1751	Carpentering -----	382	1 366	1 264	11 924	10 300	1 800	47 935	38 106
1752	Floor laying and other floorwork -----	91	357	311	3 831	2 801	400	16 087	15 608
1761	Roofing and sheet metal work -----	217	2 320	2 001	25 752	19 369	3 272	87 896	84 840
1771	Concrete work -----	170	1 279	1 132	13 366	11 253	1 942	52 308	47 387
1781	Water well drilling -----	48	143	123	1 779	1 582	219	7 223	6 863
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	72	580	506	7 205	5 662	678	23 623	22 033
1793	Glass and glazing work -----	41	382	249	6 003	3 820	470	21 461	20 665
1794	Excavating and foundation work -----	188	1 508	1 318	18 690	14 809	2 418	74 778	66 481
1795	Wrecking and demolition work -----	3	(D)	(S)	(D)	(S)	(S)	(S)	(S)
1796	Installing building equipment, n.e.c. -----	48	722	617	14 292	11 767	1 158	37 788	35 821
1799	Special trade contractors, n.e.c. -----	348	(D)	(D)	(D)	(D)	(D)	(D)	(D)
6552	Subdividers and developers, n.e.c. -----	84	1 289	501	16 927	5 197	848	155 868	34 176

†Land receipts for SIC 1531 were \$16,703; for SIC 6552 were \$23,161.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
2 312 738	1 738 441	1 752 425	42 267	67 426	671 431	84 877	3 025 605	1 281 897	1	1	3	15,16, 17
												15
119 470	117 384	111 279	2 386	5 219	41 922	7 291	306 654	91 322	5	5	11	152
44 659	51 645	65 378	1 404	2 242	10 406	819	50 486	13 037	4	4	2	1521
												1522
44 818	29 958	48 891	1 143	3 632	82 194	1 844	140 515	31 362	13	11	3	1531
153 672	83 812	136 695	2 509	2 334	23 112	(D)	1 041 127	(D)	3	2	5	154
109 030	92 846	191 319	2 336	3 583	34 603	4 230	275 844	71 701	4	3	10	1541
												1542
												16
99 286	72 057	31 362	3 570	11 267	102 378	4 816	179 929	78 358	3	3	1	1611
14 202	19 961	2 439	1 198	1 798	8 162	375	21 272	5 169	8	6	2	162
72 745	34 599	12 295	3 087	4 483	37 254	2 400	69 192	40 086	4	6	7	1622
(D)	(D)	(D)	6 664	2 984	45 126	4 518	145 363	87 219	-	-	6	1623
												1629
												17
196 737	182 978	35 517	3 155	6 657	67 320	7 426	244 573	114 077	3	2	5	1711
32 798	12 951	2 069	523	849	6 834	2 352	32 440	23 637	8	8	11	1721
293 880	121 795	16 313	3 223	7 249	34 634	6 770	184 439	116 870	1	1	4	1731
23 321	11 841	1 347	255	256	7 321	2 905	33 187	22 216	9	9	10	174
48 221	37 342	5 832	356	1 021	8 247	2 051	54 033	27 582	7	5	11	1741
6 701	4 897	279	59	88	1 239	432	9 814	5 634	16	9	(W)	1742
												1743
21 976	16 316	9 828	293	667	5 600	1 336	25 770	15 842	10	11	12	175
7 596	(D)	479	219	160	1 458	400	14 654	8 098	14	13	10	1751
												1752
45 600	42 429	3 055	562	1 401	12 537	1 708	49 261	24 142	6	5	7	1761
24 739	23 284	4 921	1 046	1 000	15 157	643	11 273	6 036	10	10	17	1771
3 940	3 215	(S)	42	214	5 349	(D)	5 775	3 186	23	30	28	1781
16 791	6 224	1 590	790	966	8 755	926	26 359	(D)	21	13	23	179
10 617	14 619	*796	103	252	1 583	298	8 470	5 737	14	11	26	1791
46 338	21 521	8 297	4 838	4 296	54 364	812	31 842	21 728	10	8	7	1793
(S)	(D)	(S)	(S)	(S)	(S)	(D)	468	452	-	-	-	1794
25 642	10 814	1 967	387	880	6 133	649	21 972	14 610	3	4	3	1795
(D)	(D)	(D)	1 355	1 842	18 810	1 394	32 256	19 250	-	-	10	1796
												1799
32 935	9 015	21 692	717	2 050	30 771	364	8 643	(D)	7	7	2	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	6 028	6 478	6 676	4 599	2	3	3	3
Number of establishments in business at end of year	5 894	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Proprietors and working partners	2 308	4 299	4 845	3 907	4	5	5	5
All employees**	99 580	84 877	74 036	53 667	1	1	2	1
Construction workers:								
March	81 326	73 720	61 622	48 452	1	1	2	2
May	83 909	77 721	63 518	49 287	1	1	2	1
August	79 538	79 114	69 630	50 275	1	1	2	1
November	77 943	75 943	68 797	46 651	1	1	2	2
Average	81 183	76 654	66 519	49 008	1	1	2	1
Other employees:								
March	18 188	7 950	7 210	4 374	1	2	3	3
Construction worker hours (thousands):								
January to March	24 489	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
April to June	27 739	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
July to September	40 675	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
October to December	39 444	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Total hours worked	132 349	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Payroll, all employees	1 917 734	933 801	519 501	260 081	(W)	1	1	1
Payroll, construction workers	1 662 937	809 610	446 375	226 509	(W)	1	1	1
Payroll, other employees	254 797	124 191	73 126	33 539	1	2	2	2
First quarter payroll, all employees	211 740	209 276	(NA)	(NA)	1	1	(NA)	(NA)
Employer costs for fringe benefits	339 401	125 305	(NA)	(NA)	1	1	(NA)	(NA)
Legally required expenditures	285 848	86 191	(NA)	(NA)	(W)	1	(NA)	(NA)
Voluntary expenditures	53 553	39 114	(NA)	(NA)	1	1	(NA)	(NA)
All business receipts	5 843 469	3 104 040	2 092 830	1 209 549	1	1	2	1
Total construction receipts	5 679 199	3 025 605	2 035 799	1 192 317	1	1	2	1
Receipts for work subcontracted in from others	1 127 203	529 041	297 363	170 134	1	2	3	2
Land receipts ¹	39 864	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
Other business receipts	124 405	78 435	57 031	17 293	2	4	8	18
Net construction receipts†	3 926 774	2 397 898	1 555 155	917 365	1	1	2	1
Value added††	2 312 738	1 281 897	822 221	532 027	1	1	2	1
Selected payments	3 490 866	1 798 147	1 240 070	672 589	1	1	2	1
Materials, components, and supplies ²	1 617 335	1 125 522	759 426	396 925	1	1	2	2
Construction work subcontracted to others	1 752 425	627 707	480 644	274 967	1	1	2	2
Selected power, fuels, and lubricants	121 106	44 917	(NA)	(NA)	1	2	(NA)	(NA)
Electricity	16 504	6 154	(NA)	(NA)	1	2	(NA)	(NA)
Natural gas	2 896	1 267	(NA)	(NA)	2	9	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	93 174	32 628	(NA)	(NA)	2	2	(NA)	(NA)
Other, including lubricating oils and greases	8 531	4 872	(NA)	(NA)	2	4	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	1 171	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	42 267	32 334	(NA)	(NA)	2	2	(NA)	(NA)
For machinery and equipment	31 331	27 458	23 839	17 534	3	2	3	3
For structures	10 936	4 876	(NA)	(NA)	3	3	(NA)	(NA)
Selected purchased services	65 111	44 338	(NA)	(NA)	2	3	(NA)	(NA)
Communication services	19 702	10 906	(NA)	(NA)	2	2	(NA)	(NA)
Repairs to structures and related facilities	3 310	2 083	(NA)	(NA)	4	14	(NA)	(NA)
Repairs to machinery and equipment	42 098	31 349	(NA)	(NA)	2	3	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	5 679 199	3 025 605	2 035 799	1 192 317	1	1	2	1
Government owned	644 669	409 279	476 185	263 410	4	1	3	2
Privately owned	5 034 529	2 616 326	1 559 614	928 907	1	1	2	3

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	636 113	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	67 426	73 667	52 182	19 500	3	5	5	6
New -----	51 662	59 975	42 539	16 478	2	6	5	6
Used -----	15 764	13 693	9 643	3 022	6	14	5	6
Retirements and disposition of depreciable assets -----	32 108	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	671 431	428 163	270 266	(NA)	2	2	3	(NA)
Depreciation charges during year -----	83 489	43 137	35 620	(NA)	2	3	3	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	122 901	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	11 754	17 366	8 480	3 116	7	14	22	14
New structures and related facilities -----	10 034	16 347	6 381	2 246	5	19	29	17
Used structures and related facilities -----	1 719	1 019	2 099	870	32	10	15	11
Retirements and disposition of depreciable assets -----	6 449	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	128 206	92 745	52 051	(NA)	4	6	5	(NA)
Depreciation charges during year -----	13 509	4 754	6 031	(NA)	4	8	5	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	513 212	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	55 672	56 301	43 702	16 384	3	9	4	6
New machinery and equipment, including automobiles and trucks -----	41 628	43 627	36 158	14 232	2	3	4	5
New automobiles and trucks, intended primarily for highway use -----	15 163	18 508	(NA)	(NA)	4	3	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	14 044	12 674	7 544	2 152	6	15	4	7
Retirements and disposition of depreciable assets -----	25 658	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	543 225	335 418	218 215	(NA)	3	2	3	(NA)
Depreciation charges during year -----	69 980	38 383	29 589	(NA)	2	3	3	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	6 028	2
Total construction receipts	5 679 199	1
Establishments with inventories:		
Number	1 217	12
Total construction receipts	1 313 236	2
Inventories ¹ :		
End of 1982, total	56 353	8
Value for establishments with LIFO reserve	2 359	4
Amount of LIFO reserve	802	12
Value for establishments with no LIFO reserve	53 994	8
End of 1981, total	52 837	6
Value for establishments with LIFO reserve	4 572	31
Amount of LIFO reserve	1 226	14
Value for establishments with no LIFO reserve	48 265	6
Establishments with no inventories:		
Number	4 811	2
Total construction receipts	4 365 963	1

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Establishments with an average of—									
	Total	1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1982										
Number of establishments	6 028	3 700	1 139	615	400	119	40	9	2	4
All employees**	99 580	7 450	7 421	8 156	11 826	8 078	6 367	2 854	47 427	(D)
Payroll, all employees	1 917 734	61 974	73 283	97 008	158 568	130 753	109 922	38 669	1 247 557	(D)
Construction worker hours (thousands)	132 349	9 357	9 271	11 098	17 160	13 150	10 914	7 355	(D)	54 041
All business receipts	5 843 469	345 932	321 068	382 174	702 136	564 955	3 527 203	(D)	(D)	(D)
Total construction receipts	5 679 199	336 385	309 080	372 558	676 502	549 337	481 827	2 953 510	(D)	(D)
Net construction receipts†	3 926 774	266 705	265 738	306 301	512 912	398 643	440 234	(D)	1 736 240	(D)
Value added††	2 312 738	147 703	156 707	176 196	285 284	222 506	1 324 341	(D)	(D)	(D)
Payments for materials, components, supplies, and fuels	1 738 441	124 111	116 677	135 370	242 777	187 891	931 614	(D)	(D)	(D)
Payments for construction work subcontracted to others	1 752 425	69 680	43 341	66 256	163 590	150 694	1 258 863	(D)	(D)	(D)
Rental payments for machinery, equipment, and structures	42 267	2 900	3 712	5 236	7 074	9 800	4 896	2 234	6 413	(D)
Capital expenditures, other than land	67 426	5 457	8 553	7 783	14 662	12 768	6 072	7 299	(D)	4 832
End-of-year gross book value of depreciable assets	671 431	83 755	77 643	92 391	124 714	98 147	72 774	87 717	(D)	34 289
1977										
All employees**	84 877	8 641	8 588	9 229	10 619	6 254	5 449	4 424	31 672	(D)
Total construction receipts	3 025 605	282 897	276 558	308 826	416 650	230 040	220 571	1 290 062	(D)	(D)
Value added††	1 281 897	109 573	106 551	135 206	171 712	99 345	70 091	589 419	(D)	(D)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	4	6	5	4	(W)	(W)	(W)	(W)	—
Net construction receipts†	1	4	5	5	2	(W)	(W)	(W)	(W)	—
Capital expenditures, other than land	3	14	12	11	2	(W)	(W)	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Establishments with all business receipts of—									
	Total	Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$10,000,000 or more
1982										
Number of establishments	6 028	909	861	1 056	1 427	744	457	339	123	68
All employees**	99 580	1 106	1 686	3 070	6 493	6 151	6 518	8 763	5 960	6 378
Payroll, all employees	1 917 734	3 297	8 268	20 424	58 632	67 348	79 433	126 387	99 664	104 964
Construction worker hours (thousands)	132 349	1 025	1 673	3 348	8 421	7 887	9 577	13 460	9 455	10 542
All business receipts	5 843 469	10 592	30 783	77 591	220 718	265 132	315 968	508 238	433 210	468 793
Total construction receipts	5 679 199	10 402	30 342	75 895	217 357	255 285	308 259	491 767	410 430	456 353
Net construction receipts†	3 926 774	9 396	27 549	68 825	189 153	221 182	259 160	402 909	323 974	324 655
Value added††	2 312 738	5 995	16 441	39 297	107 140	128 853	149 013	227 355	186 913	169 383
Payments for materials, components, supplies, and fuels	1 738 441	3 516	11 394	30 329	84 497	98 462	115 479	185 427	151 349	163 413
Payments for construction work subcontracted to others	1 752 425	1 005	2 792	7 070	28 203	34 102	49 099	88 858	86 456	131 698
Rental payments for machinery, equipment, and structures	42 267	100	233	639	1 969	4 459	3 839	4 863	4 802	7 485
Capital expenditures, other than land	67 426	*86	535	1 518	4 609	6 261	6 641	9 300	10 579	10 898
End-of-year gross book value of depreciable assets	671 431	3 614	7 869	20 288	57 700	74 154	64 126	109 125	72 272	78 944
1977										
All employees**	84 877	(S)	3 348	4 449	7 626	6 513	7 108	9 417	5 027	139 704
Total construction receipts	3 025 605	(S)	46 924	84 926	221 814	227 528	278 737	401 909	230 746	11 519 250
Value added††	1 281 897	(S)	26 549	43 203	96 934	89 190	117 632	165 583	83 566	165 168
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	7	8	7	5	5	5	3	(W)	(W)
Net construction receipts†	1	8	6	6	5	6	5	4	1	(W)
Capital expenditures, other than land	3	52	26	20	17	14	13	8	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

*Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair			
	A	B	C	A	B	C
1982						
Total construction receipts†	5 679 199	5 019 510	659 688	1	1	2
Building construction	3 430 655	3 005 565	425 090	1	1	2
Single-family houses	658 920	546 983	111 936	3	3	5
Single-family houses, detached	518 632	415 370	103 262	4	4	5
Single-family houses, attached	140 287	131 613	8 673	3	3	7
Apartment buildings with two or more apartments	181 392	170 222	11 170	3	3	6
Other residential buildings	70 424	63 229	7 194	4	4	10
Office and bank buildings	272 452	232 443	40 008	2	2	4
Office buildings	221 667	190 461	31 205	2	2	3
Bank buildings and other financial institutions	50 784	41 982	8 802	3	3	9
Industrial buildings and warehouses	1 709 746	1 530 247	179 498	(W)	(W)	2
Industrial buildings	1 650 841	1 482 941	167 900	(W)	(W)	2
Warehouses	58 904	47 305	11 598	5	7	15
Stores, restaurants, public garages, and automobile service stations	171 347	144 458	26 889	3	3	7
Religious buildings	40 702	34 529	6 172	5	5	7
Educational buildings	129 036	111 837	17 198	2	2	10
Hospitals and institutional buildings	146 373	129 109	17 264	3	3	3
Amusement, social, and recreational buildings	24 229	22 328	1 901	7	6	24
Other nonresidential buildings	50 263	42 508	7 761	4	3	12
Nonbuilding construction	2 014 917	1 831 261	183 656	(W)	1	3
Highways, streets, and related facilities	199 898	122 231	77 666	4	4	6
Bridges, tunnels, and elevated highways	44 060	40 332	3 727	2	(W)	27
Power and communication transmission lines, towers, and related facilities	81 530	68 897	17 632	2	2	2
Sewers, water mains, and related facilities	78 209	68 507	9 701	7	8	10
Sewers, sewer lines, and related facilities	50 010	43 742	6 267	11	13	16
Water mains and related facilities	28 198	24 765	3 433	7	7	16
Sewage treatment and water treatment plants	45 223	44 437	785	4	4	13
Sewage treatment plants	31 586	30 988	598	5	6	2
Water treatment plants	13 636	13 449	*187	2	2	53
Other nonbuilding construction	1 565 997	1 491 857	74 145	17	18	33
Construction work, n.s.k.	233 626	182 684	50 941	4	5	6
1977						
Total construction receipts†	3 025 605	2 627 990	397 615	1	1	2
Building construction	2 086 328	1 790 098	296 230	1	1	3
Single-family houses	581 183	510 010	71 173	4	4	6
Apartment buildings with two or more apartments	61 843	49 854	11 989	6	6	17
Other residential buildings	22 046	16 900	5 146	3	3	8
Office and bank buildings	124 897	105 173	19 724	2	2	8
Industrial buildings and warehouses	919 891	785 673	134 218	1	(W)	3
Stores, restaurants, public garages, and automobile service stations	104 732	85 669	19 063	4	3	19
Religious buildings	34 211	28 231	5 980	5	5	8
Educational buildings	106 459	94 896	11 563	4	4	12
Hospitals and institutional buildings	85 703	75 871	9 832	3	2	20
Other nonresidential buildings	45 363	37 822	7 541	4	4	14
Nonbuilding construction	829 579	744 141	85 438	1	1	2
Highways, streets, and related facilities	176 735	144 701	32 034	2	3	2
Bridges, tunnels, and elevated highways	25 325	22 933	2 392	1	1	2
Power and communication transmission lines, towers, and related facilities	31 411	23 239	8 172	3	3	8
Sewers, water mains, and related facilities	42 499	32 922	9 577	7	8	8
Sewage treatment and water treatment plants	32 496	30 375	2 121	2	2	2
Other nonbuilding construction	521 113	489 971	31 142	1	1	5
Construction work, n.s.k.	109 719	93 645	16 074	6	6	5

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and subdividers and developers.....	6 028	81 183	132 349	81 326	24 489	83 909	27 739
15,16, 17	Construction industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses.....	1 208	4 752	7 506	4 641	1 768	4 754	1 926
1522	Other residential buildings.....	88	1 274	2 249	1 511	636	1 377	607
1531	Operative builders.....	166	678	1 087	570	250	610	264
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses.....	90	4 741	9 297	4 332	2 070	4 559	2 244
1542	Nonresidential buildings, n.e.c.....	196	3 531	6 377	3 500	1 505	3 576	1 639
16	Heavy construction general contractors:							
1611	Highway and street construction.....	129	2 241	4 967	1 906	975	2 311	1 310
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction.....	14	328	652	332	161	331	168
1623	Water, sewer, and utility lines.....	106	2 261	4 816	2 197	1 175	2 335	1 241
1629	Heavy construction, n.e.c.....	115	(D)	(D)	(D)	2 275	(D)	3 602
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning.....	845	6 611	11 907	6 786	3 067	6 585	3 026
1721	Painting, paper hanging, and decorating.....	326	1 991	2 827	1 722	634	2 042	716
1731	Electrical work.....	456	9 490	19 973	10 347	4 880	10 244	5 574
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework.....	358	1 943	2 605	1 876	621	1 908	632
1742	Plastering, drywall, and insulation work.....	182	1 635	2 760	1 632	664	1 678	710
1743	Terrazzo, tile, marble, and mosaic work.....	52	336	582	339	143	325	137
175	Carpentering and flooring:							
1751	Carpentering.....	382	1 264	1 800	1 141	448	1 208	434
1752	Floor laying and other floorwork.....	91	311	400	280	91	309	99
1761	Roofing and sheet metal work.....	217	2 001	3 272	1 965	783	2 013	830
1771	Concrete work.....	170	1 132	1 942	1 018	412	1 070	466
1781	Water well drilling.....	48	123	219	123	58	134	59
179	Miscellaneous special trade contractors:							
1791	Structural steel erection.....	72	506	678	545	186	559	173
1793	Glass and glazing work.....	41	249	470	237	113	249	111
1794	Excavating and foundation work.....	188	1 318	2 418	1 212	533	1 325	641
1795	Wrecking and demolition work.....	3	(S)	(S)	(S)	(S)	(S)	(S)
1796	Installing building equipment, n.e.c.....	48	617	1 158	622	282	593	275
1799	Special trade contractors, n.e.c.....	348	(D)	(D)	(D)	(D)	(D)	(D)
6552	Subdividers and developers, n.e.c.....	84	818	848	454	454	527	226

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
79 538	40 675	77 943	39 444	1	1	1	1	1	1	1	1	1	1	15,16, 17
														15
4 752 989	1 907 462	4 441 1 208	1 904 543	5 4	6 4	6 7	6 7	5 4	6 4	6 5	6 4	6 2	7 3	152 1521 1522
788	310	690	261	21	17	16	15	14	15	30	24	26	22	1531
4 706 3 671	2 360 1 719	5 320 3 335	2 621 1 512	2 4	2 3	2 4	2 3	2 5	2 3	2 3	2 3	2 4	2 4	154 1541 1542
														16
2 425	1 414	2 261	1 266	3	3	3	3	3	3	3	3	3	3	1611
														162
332 2 276 (D)	160 1 227 (D)	315 2 173 (D)	160 1 171 (D)	6 4 -	4 4 -	4 5 -	4 4 1	7 4 -	5 4 1	7 4 -	5 4 -	6 4 -	6 4 -	1622 1623 1629
														17
6 518	2 954	6 265	2 858	3	3	3	3	3	3	4	3	3	3	1711
2 136	782	1 970	693	8	8	9	10	9	10	9	9	8	9	1721
9 011	5 083	8 222	4 435	1	1	1	1	1	1	1	1	1	1	1731
														174
1 839 1 582 353	670 718 160	2 002 1 598 318	680 666 140	9 7 17	10 7 16	8 7 16	11 8 17	10 7 17	12 7 17	10 6 24	13 8 24	12 8 16	15 9 19	1741 1742 1743
1 258 329	455 107	1 349 302	461 101	10 16	11 13	11 16	15 20	11 17	14 20	11 16	14 19	12 16	14 19	175 1751 1752
1 981	823	1 943	835	6	5	6	7	6	6	6	6	7	7	1761
1 181	527	1 174	535	10	10	10	13	10	12	10	11	11	12	1771
112	52	110	49	25	30	27	38	25	36	24	36	23	36	1781
														179
474 255 1 373 (D)	162 122 654 (S)	440 245 1 278 (S)	156 123 589 (S)	22 16 10	17 17 9	24 16 9	18 20 11	22 16 10	19 20 10	25 17 10	22 20 10	22 16 11	21 20 10	1791 1793 1794
609 (D)	302 (D)	615 (D)	297 (D)	- 3 -	- 3 -	- 3 -	- 4 -	- 3 -	- 4 -	- 2 -	- 4 -	- 3 -	- 4 -	1795 1796 1799
515	214	495	210	9	6	9	8	9	8	9	8	8	7	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers	16.5	19.3	1.6	70.0	.338	.306	.309	.012	.007
15,16, 17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses	4.6	10.3	1.6	72.1	.168	.342	.325	.015	.007
1522	Other residential buildings	16.2	13.1	1.8	125.7	.117	.322	.408	.014	.009
1531	Operative builders	7.9	14.9	1.6	164.5	.177	.269	.438	.033	.010
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses	58.5	19.9	2.0	78.5	.282	.225	.367	.006	.007
1542	Nonresidential buildings, n.e.c.	22.0	14.5	1.8	105.9	.167	.248	.512	.010	.006
16	Heavy construction general contractors:									
1611	Highway and street construction	20.3	14.1	2.2	86.8	.190	.370	.161	.058	.018
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction	27.4	18.6	2.0	111.6	.195	.545	.067	.049	.033
1623	Water, sewer, and utility lines	23.8	13.4	2.1	52.2	.286	.293	.104	.038	.026
1629	Heavy construction, n.e.c.	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning	9.9	14.7	1.8	61.3	.304	.452	.088	.016	.008
1721	Painting, paper hanging, and decorating	6.7	8.7	1.4	23.6	.404	.276	.044	.018	.011
1731	Electrical work	23.1	22.1	2.1	45.2	.545	.284	.038	.017	.008
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework	5.6	7.8	1.3	18.7	.433	.325	.037	.007	.007
1742	Plastering, drywall, and insulation work	10.9	13.4	1.7	52.6	.309	.434	.068	.012	.004
1743	Terrazzo, tile, marble, and mosaic work	7.1	10.5	1.7	35.3	.327	.413	.024	.007	.005
175	Carpentering and flooring:									
1751	Carpentering	3.6	8.7	1.4	37.9	.249	.340	.205	.014	.006
1752	Floor laying and other floorwork	3.9	10.7	1.3	51.7	.238	(D)	.030	.010	.014
1761	Roofing and sheet metal work	10.7	11.1	1.6	43.9	.293	.483	.035	.016	.006
1771	Concrete work	7.5	10.5	1.7	46.2	.256	.445	.094	.019	.020
1781	Water well drilling	3.0	12.4	1.8	58.7	.246	.445	(S)	.030	.006
179	Miscellaneous special trade contractors:									
1791	Structural steel erection	8.1	12.4	1.3	46.7	.305	.263	.067	.041	.033
1793	Glass and glazing work	9.3	15.7	1.9	86.2	.280	.681	*.037	.012	.005
1794	Excavating and foundation work	8.0	12.4	1.8	56.7	.250	.288	.111	.057	.065
1795	Wrecking and demolition work	(D)	(D)	(S)	(D)	(D)	(D)	(S)	(S)	(S)
1796	Installing building equipment, n.e.c.	15.0	19.8	1.9	61.2	.378	.286	.052	.023	.010
1799	Special trade contractors, n.e.c.	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
6552	Subdividers and developers, n.e.c.	15.3	13.1	1.7	111.5	.303	.161	.388	.037	.013

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[Not applicable]

Virginia

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SUMMARY OF FINDINGS

During 1982, 34,128 establishments in Virginia operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$7.6 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 22,394 establishments in this State with no payroll accounted for about 11 percent of all business receipts for all construction establishments in Virginia. On the other hand, 11,734 establishments classified as "employers" accounted for 89 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$6.7 billion, of which \$6.4 billion were receipts for construction work. These establishments paid \$1.6 billion for construction work subcontracted to others, leaving net construction receipts of about \$4.8 billion. Value added for these establishments amounted to \$2.9 billion. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Virginia paid \$2.0 billion for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$148 million were also made for selected power, fuels, and

lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Virginia was 106 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 32.4 million hours, while hours worked during the third quarter were 39.5 million hours.

Total payroll for 1982 was \$1.6 billion. Payments of \$285 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Virginia are based on a sample of about 4,700 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
			Proprie- tors and working partners	All em- ployees**	All business receipts		Proprie- tors and working partners	All business receipts		Proprie- tors and working partners	All em- ployees**	All business receipts		
		Number				Number			Number					
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1982													
	Construction industries and subdividers and developers-----	34 128	26 470	105 935	7 576 596	22 394	22 296	854 887	11 734	4 174	105 935	6 721 709	1	1
15,16, 17	Construction industries¹ -----	33 315	25 807	105 135	7 343 025	21 754	21 644	690 302	11 561	4 163	105 135	6 652 723	1	1
15	General building contractors and operative builders -----	7 374	4 836	26 876	2 963 569	3 943	3 779	313 433	3 431	1 057	26 876	2 650 136	2	1
16	Heavy construction, general contractors .	1 328	766	15 317	1 070 094	688	679	19 667	640	87	15 317	1 050 427	2	1
17	Special trade contractors -----	24 613	20 205	62 942	3 309 362	17 123	17 186	357 202	7 490	3 019	62 942	2 952 160	1	1
1711	Plumbing, heating, and air conditioning----	3 104	2 100	14 097	844 632	1 572	1 573	45 837	1 532	527	14 097	798 795	2	1
1731	Electrical work -----	2 206	1 538	9 746	530 030	1 312	1 302	36 085	894	236	9 746	493 945	2	2
6552	Subdividers and developers, n.e.c.² -----	806	660	(S)	(S)	640	652	164 585	166	(S)	(S)	(S)	-	-
	1977													
	Construction industries and subdividers and developers-----	28 713	23 808	117 462	5 518 723	15 565	15 971	408 436	13 148	7 837	117 462	5 110 287	1	1
15,16, 17	Construction industries¹ -----	28 180	23 242	116 193	5 364 019	15 210	15 499	341 607	12 970	7 743	116 193	5 022 412	1	1
15	General building contractors and operative builders -----	8 053	5 816	35 532	2 553 789	3 364	3 354	172 079	4 689	2 462	35 532	2 381 710	2	1
16	Heavy construction, general contractors .	1 287	757	20 548	893 830	460	465	20 513	827	292	20 548	873 317	1	1
17	Special trade contractors -----	18 840	16 669	60 113	1 916 400	11 386	11 680	149 015	7 454	4 989	60 113	1 767 385	1	1
1711	Plumbing, heating, and air conditioning----	2 631	2 027	13 194	515 255	1 193	1 233	23 092	1 438	794	13 194	492 163	2	2
1731	Electrical work -----	1 917	1 518	8 993	330 764	992	1 008	18 902	925	510	8 993	311 862	3	2
6552	Subdividers and developers, n.e.c.² -----	534	567	1 270	154 709	355	472	66 829	179	95	1 270	87 880	17	15

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1982													
The State -----	34 128	26 470	105 935	7 576 596	22 394	22 296	854 887	11 734	4 174	105 935	6 721 709	1	1
\$10,000,000 or more -----	91	6	15 629	(D)	1	2	(D)	90	4	15 629	1 861 424	(W)	(W)
\$5,000,000 to \$9,999,999 -----	137	6	9 912	2 846 126	5	4	71 742	132	2	9 912	912 960	(W)	(W)
\$2,500,000 to \$4,999,999 -----	297	34	13 320	1 049 179	19	26	69 788	278	*8	13 320	979 391	(W)	1
\$1,000,000 to \$2,499,999 -----	789	97	18 341	1 219 118	62	72	97 549	727	25	18 341	1 121 569	1	3
\$500,000 to \$999,999 -----	992	181	12 370	698 138	92	91	62 273	900	90	12 370	635 865	4	4
\$250,000 to \$499,999 -----	1 689	490	11 785	595 322	230	215	78 625	1 459	275	11 785	516 697	5	4
\$100,000 to \$249,999 -----	3 735	2 006	13 531	587 941	882	857	132 232	2 853	1 149	13 531	455 709	4	4
\$50,000 to \$99,999 -----	3 936	2 786	6 299	279 461	1 652	1 640	114 063	2 284	1 146	6 299	165 398	5	4
\$25,000 to \$49,999 -----	4 317	3 646	2 806	153 034	2 865	2 901	99 881	1 452	745	2 806	53 153	6	5
Less than \$25,000 -----	18 142	17 215	1 940	148 275	16 586	16 488	128 734	1 556	727	1 940	19 541	5	5
\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	5 503	5 495	85 400	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	4 226	4 196	28 602	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	4 166	4 140	12 041	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000 -----	(NA)	(NA)	(NA)	(NA)	2 691	2 657	2 691	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977													
The State -----	28 713	23 808	117 462	5 518 723	15 565	15 971	408 436	13 148	7 837	117 462	5 110 287	1	1
\$10,000,000 or more -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 ² -----	143	21	21 516	(D)	2	2	(D)	141	19	21 516	1 512 414	(W)	(W)
\$2,500,000 to \$4,999,999 -----	214	37	11 563	2 255 515	9	13	44 654	205	24	11 563	698 447	1	1
\$1,000,000 to \$2,499,999 -----	680	127	20 416	1 050 791	31	41	47 786	649	86	20 416	1 003 005	1	2
\$500,000 to \$999,999 -----	1 029	235	16 530	713 191	59	61	39 646	970	174	16 530	673 545	3	3
\$250,000 to \$499,999 -----	1 493	579	14 373	531 215	110	108	37 762	1 383	471	14 373	493 453	3	4
\$100,000 to \$249,999 -----	3 135	2 007	15 453	487 164	372	379	55 443	2 763	1 628	15 453	431 721	4	4
\$50,000 to \$99,999 -----	3 368	2 749	9 105	242 089	652	713	43 905	2 716	2 036	9 105	198 184	5	5
\$25,000 to \$49,999 -----	3 398	3 154	4 630	119 593	1 461	1 561	49 856	1 937	1 593	4 630	69 737	7	7
Less than \$25,000 -----	15 252	14 900	3 876	119 164	12 869	13 093	89 384	(S)	(S)	(S)	29 780	-	7
\$10,000 to \$24,999 -----	5 010	4 844	2 660	(D)	3 490	3 633	53 112	1 520	1 211	2 660	(D)	9	-
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	3 581	3 627	24 029	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	3 672	3 693	10 616	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 -----	(NA)	(NA)	(NA)	(NA)	2 126	2 140	1 627	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers	11 734	105 935	87 157	1 566 101	1 171 706	146 133	6 445 787	4 820 910
15,16, 17	Construction industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses	2 138	9 527	7 725	97 830	73 577	11 448	485 030	356 558
1522	Other residential buildings	225	1 953	1 664	30 438	23 536	2 685	208 630	103 306
1531	Operative builders	474	3 806	2 089	59 565	26 068	3 404	1552 744	308 078
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	148	4 299	3 550	73 192	46 790	6 510	402 766	157 184
1542	Nonresidential buildings, n.e.c.	446	7 291	5 822	122 936	84 866	10 325	886 046	400 222
16	Heavy construction general contractors:								
1611	Highway and street construction	248	5 066	4 261	77 010	58 500	8 195	355 852	299 483
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	25	688	574	11 985	9 105	1 070	70 475	58 416
1623	Water, sewer, and utility lines	226	5 599	4 956	84 333	70 240	9 446	257 999	227 551
1629	Heavy construction, n.e.c.	141	3 964	3 361	86 793	68 490	6 682	334 734	231 269
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning	1 532	14 097	11 074	219 900	159 837	19 861	749 339	663 193
1721	Painting, paper hanging, and decorating	793	3 974	3 531	43 833	36 634	4 819	104 877	99 242
1731	Electrical work	894	9 746	7 999	174 518	139 934	13 941	483 407	468 146
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework	659	5 305	4 887	56 265	49 216	6 728	136 672	130 462
1742	Plastering, drywall, and insulation work	399	4 899	4 189	71 561	57 951	6 827	198 513	190 177
1743	Terrazzo, tile, marble, and mosaic work	97	643	536	7 842	5 777	808	24 940	24 078
175	Carpentering and flooring:								
1751	Carpentering	786	3 531	3 107	39 936	30 733	4 346	141 343	127 723
1752	Floor laying and other floorwork	206	1 066	840	13 624	9 469	1 260	43 985	42 276
1761	Roofing and sheet metal work	493	4 620	3 844	56 351	41 024	6 241	192 016	184 567
1771	Concrete work	384	4 722	4 235	65 786	54 759	7 187	238 689	222 669
1781	Water well drilling	99	438	355	5 354	4 013	616	22 744	22 522
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	69	1 098	915	23 113	19 079	1 530	74 049	70 313
1793	Glass and glazing work	49	663	458	11 260	6 592	687	36 967	36 216
1794	Excavating and foundation work	509	4 025	3 496	53 608	42 930	5 478	198 631	176 600
1795	Wrecking and demolition work	22	263	223	3 351	2 644	492	13 156	10 316
1796	Installing building equipment, n.e.c.	68	988	821	22 597	17 652	1 485	69 041	67 504
1799	Special trade contractors, n.e.c.	431	2 864	2 268	41 518	28 605	3 495	123 435	117 143
6552	Subdividers and developers, n.e.c.	166	(S)	(S)	(S)	(S)	(S)	(S)	(S)

†Land receipts for SIC 1531 were \$87,918.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
2 852 040	2 131 675	1 624 876	95 475	116 591	1 325 980	117 462	4 870 706	2 131 151	1	1	1	15,16, 17
												15
190 559	176 159	128 472	3 462	8 475	71 558	14 429	572 504	203 262	4	4	4	152
56 253	48 063	105 323	1 673	2 622	20 172	1 272	82 786	17 638	3	2	4	1521
												1522
158 010	156 005	244 666	3 837	2 532	119 933	7 471	764 607	220 006	4	3	7	1531
80 340	82 252	245 582	7 895	4 823	38 797	4 131	254 373	81 761	4	3	3	154
234 491	170 215	485 824	5 012	6 877	60 726	8 229	577 267	152 135	2	2	4	1541
												1542
												16
174 429	149 570	56 368	9 037	11 798	197 357	10 036	446 955	226 701	2	2	1	1611
28 751	29 882	12 059	707	775	31 332	1 412	79 182	34 834	4	2	3	162
152 429	77 699	30 448	7 394	9 442	113 878	6 652	207 352	122 331	2	2	4	1622
131 946	103 377	103 465	4 993	9 485	82 498	2 448	115 218	57 717	2	2	1	1623
												1629
												17
378 436	334 212	86 146	8 139	10 709	105 391	13 194	484 201	240 239	2	2	4	1711
76 090	24 727	5 635	980	2 389	13 846	3 916	70 391	53 057	5	4	9	1721
281 132	197 551	15 261	5 949	7 355	69 025	8 993	306 496	175 053	2	2	3	1731
82 926	48 611	6 210	1 080	1 851	25 808	7 028	115 010	72 485	4	4	7	174
117 708	82 853	8 336	1 921	2 777	25 100	5 259	147 509	93 799	3	3	9	1741
12 516	11 733	862	192	378	3 182	701	18 178	9 561	9	8	11	1742
												1743
79 973	49 029	13 620	1 202	2 336	17 462	4 585	100 302	56 901	6	5	22	175
22 201	20 865	1 709	622	626	5 163	1 496	44 433	21 840	10	8	19	1751
												1752
100 632	88 071	7 448	2 276	4 151	30 614	4 134	116 401	64 272	5	4	8	1761
131 819	95 969	16 019	4 705	5 810	65 510	2 284	56 213	30 344	4	3	6	1771
12 830	9 781	222	193	881	11 315	552	22 637	14 138	14	12	18	1781
50 948	24 851	3 736	1 849	1 930	11 712	1 032	31 981	23 876	9	6	29	179
16 760	22 930	751	526	386	4 539	496	17 474	11 426	6	5	4	1791
124 409	54 724	22 031	17 149	12 175	138 220	2 205	75 755	51 644	6	4	6	1793
9 373	1 848	2 840	1 747	603	7 194	163	2 556	2 298	4	4	(W)	1794
48 027	19 905	1 537	458	482	3 318	513	20 028	14 095	4	2	1	1795
78 466	41 588	6 291	2 059	2 408	22 298	3 562	90 867	58 179	6	5	7	1796
												1799
(S)	(S)	(S)	(S)	(S)	(S)	1 270	50 034	21 565	-	-	-	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	11 734	13 148	11 410	8 824	1	2	3	3
Number of establishments in business at end of year	11 305	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Proprietors and working partners	4 174	7 837	7 688	6 695	3	4	4	5
All employees**	105 935	117 462	114 018	90 546	1	1	2	1
Construction workers:								
March	80 350	88 733	87 318	72 527	1	1	2	2
May	87 638	102 680	97 303	80 166	1	1	2	2
August	91 069	110 649	106 566	85 493	1	1	2	2
November	85 348	98 575	97 875	78 020	1	1	2	2
Average	87 157	100 232	98 529	79 789	1	1	2	2
Other employees:								
March	18 572	16 656	14 967	10 656	1	1	2	2
Construction worker hours (thousands):								
January to March	32 366	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
April to June	37 573	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
July to September	39 457	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
October to December	36 735	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Total hours worked	146 133	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Payroll, all employees	1 566 101	1 177 913	859 739	481 452	1	1	1	1
Payroll, construction workers	1 171 706	915 003	682 241	390 565	1	1	1	1
Payroll, other employees	394 395	262 910	177 498	90 863	1	1	2	2
First quarter payroll, all employees	350 140	239 222	(NA)	(NA)	1	1	(NA)	(NA)
Employer costs for fringe benefits	285 260	168 738	(NA)	(NA)	1	1	(NA)	(NA)
Legally required expenditures	209 485	114 575	(NA)	(NA)	1	1	(NA)	(NA)
Voluntary expenditures	75 774	54 163	(NA)	(NA)	1	1	(NA)	(NA)
All business receipts	6 721 709	5 110 287	3 505 010	2 008 062	1	1	2	2
Total construction receipts	6 445 787	4 870 706	3 313 643	1 940 354	1	1	1	2
Receipts for work subcontracted in from others	1 693 082	1 296 053	776 991	460 514	1	1	2	2
Land receipts ¹	113 116	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Other business receipts	162 806	239 582	191 367	67 743	2	3	11	7
Net construction receipts†	4 820 910	3 695 200	2 491 486	1 436 112	1	1	1	2
Value added††	2 852 040	2 131 151	1 446 626	825 059	1	1	2	2
Selected payments	3 756 552	2 854 222	1 934 438	1 159 180	1	1	2	2
Materials, components, and supplies ²	1 983 456	1 575 870	1 112 281	654 636	1	1	2	2
Construction work subcontracted to others	1 624 876	1 175 505	822 157	504 283	1	1	2	3
Selected power, fuels, and lubricants	148 219	102 847	(NA)	(NA)	1	1	(NA)	(NA)
Electricity	18 531	14 572	(NA)	(NA)	2	4	(NA)	(NA)
Natural gas	4 209	5 186	(NA)	(NA)	8	3	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	115 389	70 984	(NA)	(NA)	1	1	(NA)	(NA)
Other, including lubricating oils and greases	10 089	12 109	(NA)	(NA)	2	4	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	2 881	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	95 475	63 080	(NA)	(NA)	2	1	(NA)	(NA)
For machinery and equipment	72 652	50 625	46 537	23 565	2	1	2	4
For structures	22 822	12 454	(NA)	(NA)	2	4	(NA)	(NA)
Selected purchased services	116 256	101 028	(NA)	(NA)	1	1	(NA)	(NA)
Communication services	28 768	21 680	(NA)	(NA)	2	4	(NA)	(NA)
Repairs to structures and related facilities	5 022	3 968	(NA)	(NA)	4	5	(NA)	(NA)
Repairs to machinery and equipment	82 465	75 381	(NA)	(NA)	1	1	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	6 445 787	4 870 706	3 313 643	1 940 354	1	1	1	2
Government owned	1 469 019	1 113 441	916 158	633 223	2	1	2	3
Privately owned	4 976 768	3 757 264	2 397 485	1 307 131	1	1	2	3

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	1 264 405	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	116 591	195 689	112 570	55 054	2	2	5	3
New -----	82 073	168 549	98 295	35 496	2	2	6	5
Used -----	34 518	27 140	14 275	19 558	4	6	6	3
Retirements and disposition of depreciable assets -----	55 017	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	1 325 980	1 001 587	550 930	(NA)	2	1	3	(NA)
Depreciation charges during year -----	160 037	96 367	64 847	(NA)	1	1	10	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	238 306	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	16 338	59 027	22 207	19 626	5	11	12	8
New structures and related facilities -----	13 183	57 950	19 600	7 064	5	5	15	16
Used structures and related facilities -----	3 155	1 077	2 607	12 562	14	18	10	1
Retirements and disposition of depreciable assets -----	9 765	(NA)	(NA)	(NA)	9	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	244 814	251 242	118 056	(NA)	4	3	4	(NA)
Depreciation charges during year -----	20 577	10 303	7 240	(NA)	3	4	5	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	1 026 099	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	100 253	136 663	90 363	35 428	2	4	6	8
New machinery and equipment, including automobiles and trucks -----	68 890	110 599	78 695	28 432	2	2	6	4
New automobiles and trucks, intended primarily for highway use -----	31 462	43 186	(NA)	(NA)	3	3	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	31 363	26 064	11 668	6 996	5	6	7	13
Retirements and disposition of depreciable assets -----	45 251	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	1 081 101	750 345	432 874	(NA)	1	1	3	(NA)
Depreciation charges during year -----	139 460	86 064	57 607	(NA)	1	1	11	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	11 734	1
Total construction receipts	6 445 787	1
Establishments with inventories:		
Number	2 751	6
Total construction receipts	2 562 843	1
Inventories ¹ :		
End of 1982, total	149 121	4
Value for establishments with LIFO reserve	6 675	3
Amount of LIFO reserve	2 660	4
Value for establishments with no LIFO reserve	142 446	4
End of 1981, total	131 156	4
Value for establishments with LIFO reserve	10 640	5
Amount of LIFO reserve	3 789	14
Value for establishments with no LIFO reserve	120 516	5
Establishments with no inventories:		
Number	8 983	1
Total construction receipts	3 882 944	1

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

(Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes)

Selected statistics	Total	Establishments with an average of—									1,000 employees or more
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees		
1982											
Number of establishments	11 734	6 963	2 427	1 238	775	214	98	14	3	1	
All employees**	105 935	14 259	16 028	16 602	23 248	14 271	13 909	4 640	2 977	(D)	
Payroll, all employees	1 566 101	125 876	176 009	231 149	368 061	247 390	241 162	110 558	65 895	(D)	
Construction worker hours (thousands)	146 133	17 182	19 346	21 154	31 696	21 794	21 557	7 966	5 435	(D)	
All business receipts	6 721 709	654 076	719 647	952 855	1 647 972	1 162 692	1 584 466	(D)	(D)	(D)	
Total construction receipts	6 445 787	625 455	697 290	917 539	1 559 511	1 132 202	947 817	338 265	227 707	(D)	
Net construction receipts†	4 820 910	516 232	570 665	720 601	1 129 123	790 420	687 735	406 134	(D)	(D)	
Value added††	2 852 040	294 312	336 138	424 889	640 503	463 991	414 079	211 088	67 040	(D)	
Payments for materials, components, supplies, and fuels	2 131 676	234 066	243 733	314 899	529 937	348 829	402 348	(D)	57 863	(D)	
Payments for construction work subcontracted to others	1 624 876	109 222	126 625	196 938	430 388	341 782	260 082	159 838	(D)	(D)	
Rental payments for machinery, equipment, and structures	95 475	5 497	9 613	14 259	23 091	15 421	17 904	9 687	(D)	(D)	
Capital expenditures, other than land	116 591	10 570	13 995	19 855	26 667	18 292	22 257	3 611	1 343	(D)	
End-of-year gross book value of depreciable assets	1 325 980	141 710	153 835	224 134	307 496	213 639	217 571	67 593	(D)	(D)	
1977											
All employees**	117 462	16 885	16 438	20 301	26 655	14 357	10 917	11 910	—	(D)	
Total construction receipts	4 870 706	568 970	567 068	801 009	1 177 461	686 421	435 356	634 421	—	(D)	
Value added††	2 131 151	236 334	249 855	348 433	537 810	302 934	182 043	273 743	—	(D)	
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	2	3	3	2	(W)	(W)	(W)	(W)	—	
Net construction receipts†	1	3	4	3	1	(W)	(W)	(W)	—	—	
Capital expenditures, other than land	2	8	10	9	2	(W)	(W)	(W)	(W)	—	

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

(Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes)

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments -----	11 734	1 556	1 452	2 284	2 853	1 459	900	727	278	132	90
All employees** -----	105 935	1 940	2 806	6 299	13 531	11 785	12 370	18 341	13 320	9 912	15 629
Payroll, all employees -----	1 566 101	5 666	15 509	45 858	127 087	142 653	177 507	291 497	229 622	192 280	338 420
Construction worker hours (thousands) -----	146 133	1 705	2 812	7 050	16 488	14 705	16 068	25 567	20 261	15 486	25 987
All business receipts -----	6 721 709	19 541	53 153	165 398	455 709	516 697	635 865	1 121 569	979 391	912 960	1 861 424
Total construction receipts -----	6 445 787	18 986	52 585	162 360	447 397	502 957	611 698	1 079 006	936 875	878 711	1 755 210
Net construction receipts† -----	4 820 910	16 875	48 169	148 948	399 363	428 431	510 004	873 406	725 225	593 282	1 077 206
Value added†† -----	2 852 040	10 465	29 968	90 071	233 480	247 747	297 002	511 003	432 080	340 155	660 065
Payments for materials, components, supplies, and fuels -----	2 131 676	6 668	18 476	60 172	171 507	188 989	226 001	389 355	321 511	273 687	475 308
Payments for construction work subcontracted to others -----	1 624 876	2 110	4 416	13 412	48 034	74 526	101 694	205 600	211 650	285 429	678 004
Rental payments for machinery, equipment, and structures -----	95 475	308	621	1 441	4 879	7 547	9 819	17 603	15 319	11 255	26 680
Capital expenditures, other than land -----	116 591	174	942	3 246	9 221	11 133	14 194	20 875	18 636	15 129	23 039
End-of-year gross book value of depreciable assets -----	1 325 980	6 482	12 707	40 821	109 710	114 703	147 640	249 810	196 650	177 701	269 753
1977											
All employees** -----	117 462	(S)	4 630	9 105	15 453	14 373	16 530	20 416	11 563	121 516	(NA)
Total construction receipts -----	4 870 706	(S)	68 497	194 295	419 133	472 524	639 551	946 367	663 435	1 437 311	(NA)
Value added†† -----	2 131 151	(S)	38 166	95 751	204 442	216 215	286 947	434 843	291 662	1546 076	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees** -----	1	5	6	5	4	5	4	1	(W)	(W)	(W)
Net construction receipts† -----	1	5	5	4	4	4	3	2	1	(W)	(W)
Capital expenditures, other than land -----	2	36	18	14	9	13	10	4	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

†Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair			
	A	B	C	A	B	C
1982						
Total construction receipts†	6 445 787	5 294 959	1 150 828	1	1	1
Building construction	4 594 124	3 885 131	708 993	1	1	1
Single-family houses	1 517 782	1 296 057	221 725	2	2	3
Single-family houses, detached	1 185 624	990 783	194 840	2	2	4
Single-family houses, attached	332 158	305 273	26 885	3	3	5
Apartment buildings with two or more apartments	289 544	246 634	42 910	3	3	5
Other residential buildings	136 528	117 462	19 065	2	2	5
Office and bank buildings	780 634	671 133	109 501	1	1	2
Office buildings	697 548	602 640	94 908	1	2	3
Bank buildings and other financial institutions	83 085	68 492	14 593	2	2	4
Farm buildings	39 056	32 025	7 031	8	8	12
Industrial buildings and warehouses	872 585	718 475	154 110	1	1	3
Industrial buildings	736 187	600 988	135 199	1	1	3
Warehouses	136 397	117 486	18 911	2	2	4
Stores, restaurants, public garages, and automobile service stations	324 919	258 960	65 958	3	4	4
Religious buildings	65 321	53 570	11 750	5	6	4
Educational buildings	210 047	180 097	29 950	3	3	3
Hospitals and institutional buildings	274 639	240 937	33 701	1	1	4
Amusement, social, and recreational buildings	51 758	46 936	4 822	3	3	4
Other nonresidential buildings	31 311	22 845	8 470	6	4	17
Nonbuilding construction	1 386 207	1 037 440	348 767	1	1	2
Highways, streets, and related facilities	461 111	303 908	157 202	2	2	4
Bridges, tunnels, and elevated highways	76 343	70 670	5 672	1	1	11
Marine construction	46 322	18 663	27 658	10	8	10
Harbor and port facilities	50 350	36 853	13 496	3	3	10
Power and communication transmission lines, towers, and related facilities	132 647	103 200	29 447	3	3	5
Sewers, water mains, and related facilities	195 947	167 083	28 863	2	2	7
Sewers, sewer lines, and related facilities	104 077	90 304	13 773	4	3	15
Water mains and related facilities	91 870	76 779	15 090	2	3	6
Sewage treatment and water treatment plants	60 205	56 765	3 440	2	2	9
Sewage treatment plants	42 537	40 985	1 552	2	2	6
Water treatment plants	17 668	15 780	1 888	3	2	17
Heavy industrial facilities	132 992	92 790	40 201	1	1	2
Blast furnaces, petroleum refineries, and chemical complexes	81 626	63 754	17 871	2	1	4
Power plants	51 365	29 035	22 329	1	(W)	1
Other nonbuilding construction	230 290	187 508	42 788	3	4	6
Construction work, n.s.k.	485 454	372 386	93 067	3	3	3
1977						
Total construction receipts†	4 870 706	4 185 788	704 918	1	1	2
Building construction	3 508 091	3 028 817	479 274	1	1	2
Single-family houses	1 718 691	1 500 177	218 514	2	2	4
Apartment buildings with two or more apartments	230 839	200 166	30 673	3	4	5
Other residential buildings	79 621	63 903	15 718	2	2	5
Office and bank buildings	321 791	269 937	51 854	1	1	3
Industrial buildings and warehouses	486 401	419 733	66 668	1	1	3
Stores, restaurants, public garages, and automobile service stations	151 297	115 201	36 096	2	2	5
Religious buildings	50 028	41 853	8 175	2	2	4
Educational buildings	212 872	194 271	18 601	1	1	3
Hospitals and institutional buildings	191 575	172 287	19 288	1	1	3
Other nonresidential buildings	64 977	51 291	13 686	5	5	11
Nonbuilding construction	1 143 017	950 639	192 378	1	1	2
Highways, streets, and related facilities	428 740	346 781	81 959	1	1	1
Bridges, tunnels, and elevated highways	103 620	97 965	5 655	(W)	(W)	1
Marine construction	48 496	26 874	21 622	2	1	3
Power and communication transmission lines, towers, and related facilities	77 066	60 098	16 968	3	2	6
Sewers, water mains, and related facilities	178 934	162 261	16 673	2	2	8
Sewage treatment and water treatment plants	84 002	82 193	1 809	2	2	3
Heavy industrial facilities	36 337	23 385	12 952	3	3	3
Other nonbuilding construction	185 822	151 082	34 740	3	3	9
Construction work, n.s.k.	219 644	186 110	33 534	4	4	4

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and subdividers and developers -----	11 734	87 157	146 133	80 350	32 366	87 638	37 573
15,16,17	Construction industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses -----	2 138	7 725	11 448	7 009	2 576	7 689	2 928
1522	Other residential buildings -----	225	1 664	2 685	1 586	609	1 716	700
1531	Operative builders -----	474	2 089	3 404	2 028	836	1 951	817
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses -----	148	3 550	6 510	3 704	1 633	3 834	1 760
1542	Nonresidential buildings, n.e.c. -----	446	5 822	10 325	5 361	2 266	5 658	2 669
16	Heavy construction general contractors:							
1611	Highway and street construction -----	248	4 261	8 195	2 843	1 143	4 743	2 336
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction -----	25	574	1 070	492	229	566	277
1623	Water, sewer, and utility lines -----	226	4 956	9 446	4 526	2 043	4 833	2 363
1629	Heavy construction, n.e.c. -----	141	3 361	6 682	3 568	1 713	3 415	1 709
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning -----	1 532	11 074	19 861	10 850	4 733	10 892	5 067
1721	Painting, paper hanging, and decorating -----	793	3 531	4 819	3 084	1 048	3 472	1 247
1731	Electrical work -----	894	7 999	13 941	7 982	3 332	7 788	3 365
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework -----	659	4 887	6 728	4 501	1 462	5 333	1 778
1742	Plastering, drywall, and insulation work -----	395	4 189	6 827	3 895	1 624	3 960	1 591
1743	Terrazzo, tile, marble, and mosaic work -----	97	536	808	529	193	522	199
175	Carpentering and flooring:							
1751	Carpentering -----	786	3 107	4 346	2 840	978	3 162	1 147
1752	Floor laying and other floorwork -----	206	840	1 260	794	297	802	312
1761	Roofing and sheet metal work -----	493	3 844	6 241	3 468	1 277	3 932	1 622
1771	Concrete work -----	384	4 235	7 187	3 199	1 210	4 373	1 877
1781	Water well drilling -----	99	355	616	333	142	354	157
179	Miscellaneous special trade contractors:							
1791	Structural steel erection -----	69	915	1 530	797	351	913	387
1793	Glass and glazing work -----	49	458	687	439	160	453	176
1794	Excavating and foundation work -----	509	3 496	5 478	2 987	1 076	3 510	1 482
1795	Wrecking and demolition work -----	22	223	492	240	130	222	118
1796	Installing building equipment, n.e.c. -----	68	821	1 485	780	358	868	392
1799	Special trade contractors, n.e.c. -----	431	2 268	3 495	2 128	789	2 303	934
6552	Subdividers and developers, n.e.c. -----	166	(S)	(S)	(S)	(S)	(S)	(S)

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
91 069	39 457	85 348	36 735	1	1	1	1	1	1	1	1	1	1	15,16, 17
														15
7 914	3 057	7 502	2 885	4	4	4	5	4	5	4	5	4	5	152
1 652	697	1 668	677	4	3	3	4	3	3	4	5	6	6	1521
														1522
2 087	879	2 111	870	5	6	11	13	5	6	6	7	6	7	1531
3 423	1 612	3 183	1 504	4	3	4	3	3	3	4	3	4	3	154
6 264	2 770	5 832	2 619	2	2	2	2	2	2	3	3	3	3	1541
														1542
														16
5 119	2 667	4 293	2 046	2	2	3	3	2	2	3	2	2	2	1611
														162
637	283	598	279	3	3	2	3	4	3	3	3	3	4	1622
5 254	2 566	5 136	2 473	2	2	2	2	2	2	3	2	2	2	1623
3 275	1 706	3 148	1 553	2	2	2	2	2	2	3	3	3	2	1629
														17
11 557	5 304	10 491	4 755	2	2	2	2	2	2	2	3	2	3	1711
4 001	1 347	3 249	1 175	5	5	5	6	6	6	6	6	5	7	1721
8 062	3 613	7 855	3 630	2	2	3	2	2	2	2	2	2	2	1731
														174
4 734	1 780	4 715	1 708	5	5	6	6	5	6	5	6	5	6	1741
4 328	1 796	4 371	1 815	3	3	4	4	4	4	4	4	3	4	1742
523	204	524	212	10	10	11	13	11	13	10	13	11	13	1743
														175
3 186	1 150	2 954	1 070	6	6	7	8	7	7	7	8	8	8	1751
858	322	853	327	10	10	10	14	10	13	11	13	11	13	1752
3 986	1 691	3 776	1 650	4	4	4	5	4	5	4	5	4	5	1761
4 793	2 089	4 445	2 011	4	3	4	5	4	4	4	4	4	4	1771
363	158	347	157	13	14	13	18	13	17	15	18	14	18	1781
														179
1 011	415	920	376	8	8	6	6	8	9	10	10	11	10	1791
465	186	449	163	7	9	7	12	7	10	7	9	7	11	1793
3 808	1 584	3 413	1 333	7	5	6	6	6	6	9	5	7	5	1794
220	124	217	118	5	5	5	5	5	5	8	8	7	8	1795
809	362	802	372	5	2	3	2	4	2	5	3	5	3	1796
2 389	956	2 118	815	6	6	6	8	6	8	6	7	6	8	1799
(S)	(S)	(S)	(S)	-	-	-	-	-	-	-	-	-	-	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers	9.0	14.8	1.7	74.0	.243	.331	.252	.018	.015
15,16,17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses	4.5	10.3	1.5	62.8	.202	.363	.265	.017	.007
1522	Other residential buildings	8.7	15.6	1.6	125.4	.146	.230	.505	.013	.008
1531	Operative builders	8.0	15.7	1.6	264.6	.108	.282	.443	.005	.007
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses	29.0	17.0	1.8	113.5	.182	.204	.610	.012	.020
1542	Nonresidential buildings, n.e.c.	16.3	16.9	1.8	152.2	.139	.192	.548	.008	.006
16	Heavy construction general contractors:									
1611	Highway and street construction	20.4	15.2	1.9	83.5	.216	.420	.158	.033	.025
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction	27.5	17.4	1.9	122.8	.170	.424	.171	.011	.010
1623	Water, sewer, and utility lines	24.8	15.1	1.9	52.1	.327	.301	.118	.037	.029
1629	Heavy construction, n.e.c.	28.1	21.9	2.0	99.6	.259	.309	.309	.028	.015
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning	9.2	15.6	1.8	67.7	.293	.446	.115	.014	.011
1721	Painting, paper hanging, and decorating	5.0	11.0	1.4	29.7	.418	.236	.054	.023	.009
1731	Electrical work	10.9	17.9	1.7	60.4	.361	.409	.032	.015	.012
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework	8.1	10.6	1.4	28.0	.412	.356	.045	.014	.008
1742	Plastering, drywall, and insulation work	12.3	14.6	1.6	47.4	.360	.417	.042	.014	.010
1743	Terrazzo, tile, marble, and mosaic work	6.6	12.2	1.5	46.5	.314	.470	.035	.015	.008
175	Carpentering and flooring:									
1751	Carpentering	4.5	11.3	1.4	45.5	.283	.347	.096	.017	.009
1752	Floor laying and other floorwork	5.2	12.8	1.5	52.4	.310	.474	.039	.014	.014
1761	Roofing and sheet metal work	9.4	12.2	1.6	50.0	.293	.459	.039	.022	.012
1771	Concrete work	12.3	13.9	1.7	56.4	.276	.402	.067	.024	.020
1781	Water well drilling	4.4	12.2	1.7	64.1	.235	.430	.010	.039	.008
179	Miscellaneous special trade contractors:									
1791	Structural steel erection	15.9	21.1	1.7	80.9	.312	.336	.050	.026	.025
1793	Glass and glazing work	13.5	17.0	1.5	80.7	.305	.620	.020	.010	.014
1794	Excavating and foundation work	7.9	13.3	1.6	56.8	.270	.276	.111	.061	.086
1795	Wrecking and demolition work	12.0	12.7	2.2	59.0	.255	.140	.216	.046	.133
1796	Installing building equipment, n.e.c.	14.5	22.9	1.8	84.1	.327	.288	.022	.007	.007
1799	Special trade contractors, n.e.c.	6.6	14.5	1.5	54.4	.336	.337	.051	.020	.017
6552	Subdividers and developers, n.e.c.	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	NORFOLK-VIRGINIA BEACH-PORTSMOUTH, VA.-N.C., SMSA											
	Construction Industries and subdividers and developers..	1 751	17 410	250 161	1 038 347	783 195	448 629	352 097	255 152	21 395	3	2
15,16,17	Construction Industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	292	1 400	12 854	81 386	56 603	27 517	29 951	24 783	938	14	14
1522	Other residential buildings	21	285	5 133	36 863	16 007	8 021	8 059	20 856	350	3	3
1531	Operative builders	72	672	9 351	78 732	44 699	15 085	30 539	34 033	796	11	4
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	25	628	8 801	58 857	23 297	16 694	(D)	35 560	708	13	4
1542	Nonresidential buildings, n.e.c.	75	825	13 832	106 316	45 172	26 616	18 752	61 144	1 209	9	10
16	Heavy construction general contractors:											
1611	Highway and street construction	23	421	5 565	19 191	17 945	8 574	9 806	1 246	283	11	8
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	—	—	—	—	—	—	—	—	—	—	—
1623	Water, sewer, and utility lines	41	1 074	14 255	60 100	48 927	27 379	21 796	11 173	2 493	9	6
1629	Heavy construction, n.e.c.	30	1 529	36 873	129 250	101 816	64 053	39 261	27 434	5 575	3	2
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	261	2 280	34 839	131 470	119 935	62 800	59 269	11 535	2 537	6	6
1721	Painting, paper hanging, and decorating	111	676	8 548	18 764	18 158	14 057	(D)	606	225	13	10
1731	Electrical work	161	1 390	22 229	69 844	65 284	37 932	30 717	4 560	1 010	7	5
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	81	1 046	9 895	23 215	20 833	13 405	(D)	2 382	363	10	8
1742	Plastering, drywall, and insulation work	68	667	8 080	21 895	21 349	12 403	9 321	*546	610	13	12
1743	Terrazzo, tile, marble, and mosaic work	21	156	1 944	6 430	6 234	3 288	(D)	196	(D)	13	9
175	Carpentering and flooring:											
1751	Carpentering	127	567	5 515	21 727	18 555	10 835	8 158	3 172	288	15	12
1752	Floor laying and other floorwork	26	189	1 745	6 327	(D)	2 678	3 267	(D)	—	29	—
1761	Roofing and sheet metal work	98	1 078	11 695	43 239	41 767	22 122	20 569	1 472	565	9	7
1771	Concrete work	34	620	7 781	29 300	23 473	15 649	9 347	5 827	900	11	6
1781	Water well drilling	14	43	582	3 397	(D)	2 066	1 279	(D)	122	23	—
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	12	182	3 850	12 367	(D)	8 192	2 472	(D)	298	30	—
1793	Glass and glazing work	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	—
1794	Excavating and foundation work	39	587	7 901	26 654	23 639	15 289	8 417	3 015	1 115	14	10
1795	Wrecking and demolition work	4	(D)	(D)	(D)	(S)	(D)	(S)	(D)	(S)	—	—
1796	Installing building equipment, n.e.c.	15	163	3 288	9 549	9 346	6 405	(D)	203	(D)	(W)	(W)
1799	Special trade contractors, n.e.c.	74	767	12 721	33 460	32 427	23 063	(D)	1 033	601	11	8
6552	Subdividers and developers, n.e.c.	24	75	1 200	3 292	2 138	1 782	795	1 154	92	23	15
	RICHMOND SMSA											
	Construction Industries and subdividers and developers..	1 788	18 341	290 620	1 075 171	849 340	545 105	364 714	225 831	15 723	2	2
15,16,17	Construction Industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	305	1 294	13 660	77 427	56 137	31 404	26 892	21 290	1 052	11	13
1522	Other residential buildings	22	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(D)	—	—
1531	Operative builders	97	616	9 017	59 185	36 301	19 464	17 203	22 884	390	11	15
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	26	608	7 562	45 794	17 522	6 760	11 344	28 272	(D)	9	10
1542	Nonresidential buildings, n.e.c.	68	1 082	18 926	143 673	65 258	37 384	28 238	78 415	1 222	7	5

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

(Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D)

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added‡	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	RICHMOND SMSA—Con.											
15,16, 17	Construction industries—Con.											
	Heavy construction general contractors:											
1611	Highway and street construction	26	685	11 061	50 955	45 450	26 012	26 828	5 505	2 040	5	3
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	3	43	637	1 712	1 535	1 166	(D)	177	(D)	(W)	(W)
1623	Water, sewer, and utility lines	40	1 074	17 235	46 889	42 133	30 278	(D)	4 756	1 848	7	8
1629	Heavy construction, n.e.c.	16	192	3 482	14 868	13 443	6 929	6 648	1 425	(D)	12	6
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	202	3 059	62 100	180 793	152 656	118 024	(D)	28 137	1 535	3	3
1721	Painting, paper hanging, and decorating	126	909	8 836	19 477	18 527	15 054	4 607	950	455	11	11
1731	Electrical work	145	1 933	35 221	88 427	86 795	55 239	33 333	1 632	1 215	5	5
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	92	794	10 332	22 912	22 043	14 089	(D)	870	300	11	8
1742	Plastering, drywall, and insulation work	47	1 274	22 956	60 781	58 021	36 623	24 080	2 761	598	5	2
1743	Terrazzo, tile, marble, and mosaic work	*17	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(D)	-	-
175	Carpentering and flooring:											
1751	Carpentering	100	350	3 846	13 538	11 557	6 294	5 291	1 981	*26	18	12
1752	Floor laying and other floorwork	50	252	3 058	9 082	8 743	4 737	4 084	339	184	22	16
1761	Roofing and sheet metal work	104	771	9 864	31 994	31 082	19 217	(D)	912	594	10	10
1771	Concrete work	71	1 028	12 969	48 161	46 484	29 796	(D)	1 677	700	10	7
1781	Water well drilling	*8	*33	*302	*1 307	*1 303	692	615	*4	124	43	42
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	9	259	7 323	32 978	(D)	(D)	(D)	(D)	130	4	-
1793	Glass and glazing work	*13	136	2 019	7 241	7 119	3 101	(D)	*122	(D)	22	13
1794	Excavating and foundation work	77	605	8 029	30 106	25 600	17 104	8 950	4 506	*1 093	17	11
1795	Wrecking and demolition work	6	72	786	1 814	1 619	1 267	(D)	195	(D)	(W)	(W)
1796	Installing building equipment, n.e.c.	16	299	7 263	28 149	27 735	20 975	6 761	414	269	5	1
1799	Special trade contractors, n.e.c.	80	593	8 004	24 330	22 608	14 732	8 518	1 722	276	13	14
6552	Subdividers and developers, n.e.c.	25	74	1 168	3 912	(D)	(D)	*901	(D)	(D)	23	-
	WASHINGTON, D.C.-MD.-VA., SMSA											
	Construction industries and subdividers and developers..	5 876	84 468	1 586 099	6 403 748	4 349 200	2 900 086	1 786 332	2 054 548	126 122	1	1
15,16, 17	Construction Industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	1 002	5 915	76 997	349 165	246 224	151 181	100 887	102 942	7 480	5	4
1522	Other residential buildings	133	1 123	21 820	200 419	65 097	34 571	31 356	135 323	843	5	4
1531	Operative builders	315	3 787	76 171	699 387	368 977	207 903	177 626	330 410	8 280	4	3
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	57	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1542	Nonresidential buildings, n.e.c.	293	8 435	180 676	1 434 239	540 407	395 106	193 625	893 832	42 430	2	2
16	Heavy construction general contractors:											
1611	Highway and street construction	93	2 421	47 951	201 228	164 311	114 007	64 202	36 917	6 416	4	3
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	11	408	6 662	27 377	21 872	14 951	(D)	5 505	285	8	5
1623	Water, sewer, and utility lines	90	2 856	50 529	145 252	128 173	85 668	44 452	17 080	6 155	2	2
1629	Heavy construction, n.e.c.	49	8 124	237 422	506 594	368 242	400 895	(D)	138 352	3 095	(W)	(W)

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	WASHINGTON, D.C.-MD.-VA., SMSA—Con.											
15,16,17	Construction Industries—Con.											
	Special trade contractors:											
1711	Plumbing, heating, and air conditioning -----	781	10 418	185 541	700 826	589 945	331 091	270 674	110 881	10 181	3	2
1721	Painting, paper hanging, and decorating -----	427	2 692	37 441	87 226	79 899	59 805	20 276	7 329	1 964	6	6
1731	Electrical work -----	430	7 997	162 973	450 296	438 806	247 066	203 077	11 491	5 536	3	2
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework -----	299	3 816	55 813	142 709	137 905	91 532	47 364	4 804	1 772	5	3
1742	Plastering, drywall, and insulation work -----	198	4 201	73 671	207 009	185 218	121 740	65 672	21 792	2 114	3	3
1743	Terrazzo, tile, marble, and mosaic work -----	60	376	5 621	16 690	16 179	9 496	6 927	*511	*643	15	14
175	Carpentering and flooring:											
1751	Carpentering -----	369	2 579	36 775	103 969	92 614	62 683	31 363	11 355	1 605	7	6
1752	Floor laying and other floorwork -----	113	1 050	15 565	52 095	48 315	29 540	19 402	3 780	547	8	7
1761	Roofing and sheet metal work -----	258	3 710	63 055	182 050	175 941	104 470	72 910	6 109	2 711	5	3
1771	Concrete work -----	234	4 710	72 545	230 917	213 297	121 317	96 730	17 620	5 578	5	3
1781	Water well drilling -----	*11	69	1 083	4 123	(D)	2 596	1 543	(D)	(D)	32	—
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	40	638	10 882	27 909	26 675	20 292	10 372	*1 234	531	10	12
1793	Glass and glazing work -----	49	640	12 272	38 318	37 774	19 121	21 807	*544	238	7	7
1794	Excavating and foundation work -----	146	2 018	33 166	112 181	98 932	76 610	26 503	13 249	5 111	4	3
1795	Wrecking and demolition work -----	12	193	2 597	12 313	(D)	8 730	1 231	(D)	(D)	(W)	—
1796	Installing building equipment, n.e.c. -----	36	948	26 831	86 967	85 525	61 044	24 620	1 442	320	3	1
1799	Special trade contractors, n.e.c. -----	263	2 024	29 238	93 891	86 281	55 292	33 165	7 610	2 391	5	5
6552	Subdividers and developers, n.e.c. -----	113	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	—	—

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SUMMARY OF FINDINGS

During 1982, 9,266 establishments in West Virginia operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$1.4 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 6,191 establishments in this State with no payroll accounted for about 9 percent of all business receipts for all construction establishments in West Virginia. On the other hand, 3,075 establishments classified as "employers" accounted for 91 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$1.3 billion, of which \$1.2 billion were receipts for construction work. These establishments paid \$165 million for construction work subcontracted to others, leaving net construction receipts of about \$1.1 billion. Value added for these establishments amounted to \$741 million. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in West Virginia paid \$338 million for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$36.3 million were also made for selected power,

fuels, and lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in West Virginia was 23.1 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 7.2 million hours, while hours worked during the third quarter were 8.9 million hours.

Total payroll for 1982 was \$414 million. Payments of \$81.0 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for West Virginia are based on a sample of about 1,200 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
			Proprie- tors and working partners	All em- ployees**	All business receipts		Proprie- tors and working partners	All business receipts		Proprie- tors and working partners	All em- ployees*•	All business receipts		
		Number				Number			Number					
		A	B	C	D	E	F	G	H	I	J	K	J	K
15,16, 17	1982													
	Construction industries and subdividers and developers-----	9 266	7 374	23 068	1 418 010	6 191	6 173	133 241	3 075	1 201	23 068	1 284 769	2	2
	Construction industries¹-----	9 123	7 297	22 961	1 409 635	6 084	6 097	129 533	3 039	1 200	22 961	1 280 102	2	2
	General building contractors and operative builders-----	2 117	1 448	5 597	373 740	1 066	1 051	31 683	1 051	397	5 597	342 057	4	3
16	Heavy construction, general contractors _	581	361	7 014	471 156	312	316	25 482	269	45	7 014	445 674	2	2
17	Special trade contractors-----	6 425	5 488	10 350	564 739	4 706	4 730	72 368	1 719	758	10 350	492 371	3	2
1711	Plumbing, heating, and air conditioning----	744	521	2 235	116 255	422	423	9 414	322	98	2 235	106 841	6	5
1731	Electrical work-----	567	382	2 342	114 399	322	315	5 146	245	67	2 342	109 253	6	6
6552	Subdividers and developers, n.e.c.²-----	139	76	104	8 371	107	76	3 708	32	-	104	4 663	25	23
15,16, 17	1977													
	Construction Industries and subdividers and developers-----	8 585	7 396	30 801	1 253 908	4 849	4 961	83 283	3 736	2 435	30 801	1 170 625	2	2
	Construction industries¹-----	8 518	7 339	30 625	1 240 227	4 792	4 905	76 197	3 726	2 434	30 625	1 164 030	2	2
	General building contractors and operative builders-----	2 623	2 131	10 642	441 504	945	981	21 284	1 678	1 150	10 642	420 220	4	4
16	Heavy construction, general contractors _	500	309	9 163	405 003	252	254	12 526	248	55	9 163	392 477	2	1
17	Special trade contractors-----	5 395	4 899	10 820	393 720	3 595	3 670	42 387	1 800	1 229	10 820	351 333	3	2
1711	Plumbing, heating, and air conditioning----	606	513	2 051	89 019	328	339	6 321	278	174	2 051	82 698	6	5
1731	Electrical work-----	505	397	1 993	75 095	287	287	3 564	218	110	1 993	71 531	6	5
6552	Subdividers and developers, n.e.c.²-----	73	58	180	13 687	57	56	7 086	16	2	180	6 601	10	15

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1982													
The State	9 266	7 374	23 068	1 418 010	6 191	6 173	133 241	3 075	1 201	23 068	1 284 769	2	2
\$10,000,000 or more	16	—	3 971	(D)	1	—	(D)	15	—	3 971	282 590	(W)	(W)
\$5,000,000 to \$9,999,999	21	2	1 516	(D)	1	2	(D)	20	—	1 516	139 735	(W)	(W)
\$2,500,000 to \$4,999,999	45	—	2 630	(S)	—	—	—	45	—	2 630	(S)	(W)	—
\$1,000,000 to \$2,499,999	159	10	3 722	851 598	2	3	19 509	157	7	3 722	236 761	4	4
\$500,000 to \$999,999	200	26	2 491	137 740	7	7	4 259	193	*19	2 491	133 481	7	7
 \$250,000 to \$499,999	450	122	3 187	152 897	21	20	6 908	429	102	3 187	145 989	8	7
\$100,000 to \$249,999	876	419	2 876	136 792	149	138	22 076	727	281	2 876	114 716	8	7
\$50,000 to \$99,999	861	655	1 254	60 469	323	328	21 928	538	327	1 254	38 541	8	8
\$25,000 to \$49,999	1 076	872	684	37 818	696	708	24 178	380	164	684	13 640	10	10
 Less than \$25,000	5 561	5 266	735	40 695	4 991	4 967	34 383	570	299	735	6 312	9	9
\$10,000 to \$24,999	(NA)	(NA)	(NA)	(NA)	1 376	1 369	21 000	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	1 245	1 244	8 392	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999	(NA)	(NA)	(NA)	(NA)	1 362	1 360	3 983	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500	(NA)	(NA)	(NA)	(NA)	1 008	994	1 008	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977													
The State	8 585	7 396	30 801	1 253 908	4 849	4 961	83 283	3 736	2 435	30 801	1 170 625	2	2
\$10,000,000 or more	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 ²	26	—	6 296	(D)	2	—	(D)	24	—	6 296	313 281	(W)	(W)
\$2,500,000 to \$4,999,999	44	2	3 316	487 164	1	—	19 305	43	2	3 316	154 578	5	3
\$1,000,000 to \$2,499,999	127	15	4 551	197 542	—	—	—	127	15	4 551	197 542	1	2
\$500,000 to \$999,999	245	53	3 886	169 633	5	4	3 416	240	49	3 886	166 217	3	6
 \$250,000 to \$499,999	393	113	3 621	135 736	7	8	2 054	386	105	3 621	133 682	8	6
\$100,000 to \$249,999	820	572	4 140	126 406	55	57	7 515	765	515	4 140	118 891	8	8
\$50,000 to \$99,999	868	782	2 344	61 185	144	163	9 688	724	619	2 344	51 497	10	10
\$25,000 to \$49,999	1 069	963	1 510	37 924	397	415	13 617	672	548	1 510	24 307	12	11
 Less than \$25,000	4 993	4 898	(S)	38 318	4 238	4 314	27 688	(S)	(S)	(S)	(S)	—	—
\$10,000 to \$24,999	1 577	1 540	885	25 279	1 025	1 073	15 562	552	467	885	9 717	15	14
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	1 201	1 214	8 047	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999	(NA)	(NA)	(NA)	(NA)	1 227	1 237	3 482	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500	(NA)	(NA)	(NA)	(NA)	785	790	597	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers -----	3 075	23 068	19 789	413 918	344 602	32 426	1 236 899	1 071 405
15,16, 17	Construction industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	704	2 381	2 158	21 244	18 563	3 020	93 198	76 678
1522	Other residential buildings -----	49	210	191	2 237	1 889	245	11 996	8 983
1531	Operative builders -----	96	372	270	4 025	3 046	441	120 473	15 871
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	47	1 030	846	20 829	16 002	1 323	73 905	55 407
1542	Nonresidential buildings, n.e.c. -----	155	1 604	1 297	27 082	20 690	2 113	127 872	75 981
16	Heavy construction general contractors:								
1611	Highway and street construction -----	68	1 649	1 404	32 077	25 759	2 692	133 548	114 957
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	5	132	115	2 891	2 130	165	12 739	(D)
1623	Water, sewer, and utility lines -----	115	2 092	1 838	39 320	33 262	3 007	100 843	94 030
1629	Heavy construction, n.e.c. -----	81	3 141	2 796	88 860	78 500	5 386	182 720	161 345
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning -----	322	2 235	1 788	36 222	28 278	3 039	102 688	96 593
1721	Painting, paper hanging, and decorating -----	112	493	444	6 542	5 788	605	15 928	15 478
1731	Electrical work -----	245	2 342	1 954	49 563	42 538	3 619	108 262	106 345
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	167	497	468	5 536	4 903	575	14 087	13 838
1742	Plastering, drywall, and insulation work -----	48	465	380	11 330	9 538	622	21 891	21 602
1743	Terrazzo, tile, marble, and mosaic work -----	*9	50	37	897	603	66	2 362	(D)
175	Carpentering and flooring:								
1751	Carpentering -----	171	544	503	4 995	4 197	577	17 590	16 005
1752	Floor laying and other floorwork -----	33	70	56	800	628	*85	4 484	4 320
1761	Roofing and sheet metal work -----	92	717	619	11 726	8 932	867	35 405	34 650
1771	Concrete work -----	75	426	387	4 899	4 114	569	19 518	18 827
1781	Water well drilling -----	23	71	69	*771	*753	*122	2 808	2 752
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	23	374	329	7 515	6 578	442	19 311	(D)
1793	Glass and glazing work -----	*19	110	83	1 263	909	*121	3 770	3 770
1794	Excavating and foundation work -----	224	1 017	896	15 161	12 493	1 277	55 062	51 969
1795	Wrecking and demolition work -----	11	142	121	2 586	2 095	171	5 373	5 228
1796	Installing building equipment, n.e.c. -----	30	324	274	7 659	6 574	471	26 317	(D)
1799	Special trade contractors, n.e.c. -----	109	473	409	6 892	5 265	689	19 918	(D)
6552	Subdividers and developers, n.e.c. -----	32	104	54	993	571	102	12 828	2 158

†Land receipts for SIC 1531 were \$2,659; for SIC 6552 were \$1,621.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
741 182	373 812	165 494	20 010	24 442	369 322	30 801	1 107 206	634 343	2	2	6	15,16, 17
												15
41 914	38 131	16 520	837	1 725	13 146	5 676	160 972	68 862	7	8	16	152
4 685	4 448	3 013	254	262	868	131	*5 282	*809	19	7	17	1521
												1522
8 248	8 758	4 602	81	160	5 848	1 604	77 471	17 601	17	16	24	1531
38 017	20 467	18 498	1 135	923	15 554	1 581	78 246	42 248	7	4	17	154
49 672	30 533	51 891	1 218	1 180	15 512	1 650	71 814	26 010	6	5	16	1541
												1542
												16
74 108	47 887	18 591	4 629	3 129	95 379	2 311	124 887	82 494	4	3	(W)	1611
6 646	(D)	(D)	217	(D)	4 118	204	8 273	4 867	(W)	—	—	162
72 667	25 101	6 813	2 078	4 854	60 282	2 223	77 311	54 332	5	6	9	1622
137 591	28 679	21 375	3 246	2 626	38 511	4 425	160 682	115 174	2	3	1	1623
												1629
												17
56 930	43 816	6 094	1 108	1 368	20 820	2 051	80 619	49 468	6	5	11	1711
11 884	3 829	450	220	328	3 216	520	12 170	9 618	16	13	21	1721
70 150	37 185	1 917	640	1 576	23 111	1 993	70 514	44 102	6	5	10	1731
10 374	3 670	248	113	140	2 919	834	15 036	10 791	12	12	18	174
18 759	6 413	289	217	428	3 415	740	21 146	16 421	9	7	6	1741
1 628	1 197	(D)	35	—	165	76	2 126	1 468	17	—	—	1742
												1743
9 024	7 267	1 584	52	*350	3 959	244	6 875	4 542	17	15	51	175
*2 593	1 749	*164	(D)	*23	*479	162	3 084	1 881	32	38	53	1751
												1752
22 318	12 867	755	173	230	4 754	1 084	31 192	18 533	9	6	9	1761
10 830	(D)	690	464	674	7 664	319	8 925	6 695	16	13	14	1771
1 556	*1 245	*56	*45	75	1 194	127	5 181	3 176	37	37	40	1781
												179
11 320	6 999	(D)	402	375	4 092	307	15 569	9 034	10	—	24	1791
2 183	1 743	—	45	—	490	77	2 494	1 712	37	38	—	1793
42 548	11 710	3 093	2 109	2 800	32 548	1 106	28 273	22 359	9	8	16	1794
4 643	801	145	117	224	2 909	*80	*807	*778	16	17	23	1795
15 737	8 390	(D)	319	62	2 451	328	14 372	8 497	6	—	(W)	1796
13 323	6 169	(D)	223	434	(D)	772	20 115	12 434	13	—	33	1799
1 829	543	670	(D)	(D)	(D)	180	3 774	1 043	25	24	—	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	3 075	3 736	2 817	2 241	3	4	5	5
Number of establishments in business at end of year	2 966	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Proprietors and working partners	1 201	2 435	1 794	1 829	6	7	8	8
All employees**	23 068	30 801	22 584	21 547	2	2	4	2
Construction workers:								
March	17 812	22 725	16 549	14 830	2	2	3	3
May	20 071	29 149	19 168	17 434	2	2	4	3
August	20 697	29 685	22 121	20 719	2	2	4	2
November	19 239	27 032	20 644	18 620	2	2	4	3
Average	19 789	27 168	19 997	18 189	2	2	3	2
Other employees:								
March	3 235	3 475	2 406	3 340	2	5	5	2
Construction worker hours (thousands):								
January to March	7 155	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
April to June	8 337	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
July to September	8 878	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
October to December	8 053	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Total hours worked	32 426	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Payroll, all employees	413 918	369 459	204 486	146 771	1	1	3	2
Payroll, construction workers	344 602	312 001	175 540	115 122	1	1	3	2
Payroll, other employees	69 316	57 458	28 946	31 649	2	3	5	2
First quarter payroll, all employees	89 091	67 734	(NA)	(NA)	2	1	(NA)	(NA)
Employer costs for fringe benefits	81 005	75 442	(NA)	(NA)	1	7	(NA)	(NA)
Legally required expenditures	54 871	40 953	(NA)	(NA)	2	5	(NA)	(NA)
Voluntary expenditures	26 133	34 489	(NA)	(NA)	1	10	(NA)	(NA)
All business receipts	1 284 769	1 170 625	640 476	603 519	2	2	3	2
Total construction receipts	1 236 899	1 107 206	615 679	587 204	2	1	3	2
Receipts for work subcontracted in from others	264 364	210 391	99 109	51 795	3	2	9	5
Land receipts ¹	4 280	(NA)	(NA)	(NA)	15	(NA)	(NA)	(NA)
Other business receipts	43 590	63 419	24 797	16 327	3	5	8	7
Net construction receipts†	1 071 405	972 374	533 183	509 469	2	1	3	2
Value added††	741 182	634 943	370 971	249 489	1	1	3	2
Selected payments	539 307	523 149	263 643	351 090	2	2	4	2
Materials, components, and supplies ²	337 514	363 696	181 147	273 287	2	2	5	1
Construction work subcontracted to others	165 494	134 832	82 496	77 749	3	3	5	4
Selected power, fuels, and lubricants	36 298	24 622	(NA)	(NA)	3	2	(NA)	(NA)
Electricity	3 077	3 286	(NA)	(NA)	6	5	(NA)	(NA)
Natural gas	2 377	1 624	(NA)	(NA)	4	8	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	28 132	16 907	(NA)	(NA)	3	2	(NA)	(NA)
Other, including lubricating oils and greases	2 711	2 805	(NA)	(NA)	5	5	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	969	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	20 010	13 584	(NA)	(NA)	4	2	(NA)	(NA)
For machinery and equipment	15 974	11 779	12 169	6 339	4	2	7	7
For structures	4 035	1 805	(NA)	(NA)	7	5	(NA)	(NA)
Selected purchased services	30 759	30 308	(NA)	(NA)	3	9	(NA)	(NA)
Communication services	6 023	4 809	(NA)	(NA)	4	4	(NA)	(NA)
Repairs to structures and related facilities	919	1 403	(NA)	(NA)	7	10	(NA)	(NA)
Repairs to machinery and equipment	23 816	24 096	(NA)	(NA)	3	11	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	1 236 899	1 107 206	615 679	587 204	2	1	3	2
Government owned	268 256	210 922	222 481	140 365	5	1	5	4
Privately owned	968 642	896 284	393 198	446 839	2	2	4	2

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	355 155	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	24 442	58 073	27 417	15 294	6	7	6	5
New -----	17 638	46 993	22 733	11 476	5	8	6	4
Used -----	6 803	11 080	4 684	3 818	9	6	5	14
Retirements and disposition of depreciable assets -----	10 275	(NA)	(NA)	(NA)	10	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	369 322	316 188	189 433	(NA)	3	2	5	(NA)
Depreciation charges during year -----	41 066	34 115	22 478	(NA)	3	3	12	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	47 105	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	2 733	12 943	1 405	1 251	12	17	16	16
New structures and related facilities -----	1 747	11 021	1 057	965	4	30	15	15
Used structures and related facilities -----	985	1 922	348	286	32	4	17	18
Retirements and disposition of depreciable assets -----	1 130	(NA)	(NA)	(NA)	20	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	48 707	62 727	24 104	(NA)	5	4	10	(NA)
Depreciation charges during year -----	3 704	2 680	1 112	(NA)	6	19	13	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	308 050	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	21 709	45 131	26 012	14 043	5	5	5	9
New machinery and equipment, including automobiles and trucks -----	15 891	35 973	21 676	10 511	6	3	6	4
New automobiles and trucks, intended primarily for highway use -----	6 278	12 692	(NA)	(NA)	10	5	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	5 817	9 158	4 336	3 532	8	8	5	15
Retirements and disposition of depreciable assets -----	9 144	(NA)	(NA)	(NA)	11	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	320 614	253 461	165 329	(NA)	3	2	5	(NA)
Depreciation charges during year -----	37 362	31 435	21 366	(NA)	4	2	12	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	3 075	3
Total construction receipts	1 236 899	2
Establishments with inventories:		
Number	708	13
Total construction receipts	465 585	3
Inventories ¹ :		
End of 1982, total	27 721	5
Value for establishments with LIFO reserve	539	8
Amount of LIFO reserve	192	23
Value for establishments with no LIFO reserve	27 182	5
End of 1981, total	24 913	7
Value for establishments with LIFO reserve	1 006	30
Amount of LIFO reserve	*692	43
Value for establishments with no LIFO reserve	23 907	7
Establishments with no inventories:		
Number	2 367	3
Total construction receipts	771 314	2

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Establishments with an average of—									
	Total	1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1982										
Number of establishments	3 075	2 044	543	294	135	37	18	3	-	1
All employees**	23 068	4 030	3 607	3 925	3 893	2 429	2 512	2 671	-	(D)
Payroll, all employees	413 918	34 789	47 079	63 625	76 179	53 363	56 702	82 181	-	(D)
Construction worker hours (thousands)	32 426	4 790	4 389	4 833	5 735	3 433	3 957	5 286	-	(D)
All business receipts	1 284 769	173 980	149 691	205 531	270 359	173 856	311 351	(D)	-	(D)
Total construction receipts	1 236 899	168 231	144 327	197 452	260 359	163 337	172 159	131 033	-	(D)
Net construction receipts†	1 071 405	147 666	131 035	170 846	228 560	139 124	254 173	(D)	-	(D)
Value added††	741 182	86 469	87 323	111 501	144 476	98 591	99 842	112 979	-	(D)
Payments for materials, components, supplies, and fuels	373 812	65 100	48 569	65 496	94 084	51 052	40 642	8 868	-	(D)
Payments for construction work subcontracted to others	165 494	20 565	13 292	26 606	31 799	24 213	49 019	(D)	-	(D)
Rental payments for machinery, equipment, and structures	20 010	1 675	1 867	3 653	4 739	5 049	1 878	1 147	-	(D)
Capital expenditures, other than land	24 442	3 385	3 358	5 970	3 147	3 889	4 690	(D)	-	(D)
End-of-year gross book value of depreciable assets	369 322	52 075	41 991	58 615	62 013	62 454	56 962	35 211	-	(D)
1977										
All employees**	30 801	4 977	4 803	4 748	5 302	4 093	2 020	4 857	-	(D)
Total construction receipts	1 107 206	141 904	148 292	157 394	204 274	185 938	107 233	162 172	-	(D)
Value added††	634 943	70 642	73 306	82 584	116 040	111 722	54 299	126 350	-	(D)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	2	4	7	6	4	(W)	(W)	(W)	-	-
Net construction receipts†	2	5	7	5	3	(W)	(W)	(W)	-	-
Capital expenditures, other than land	6	16	16	16	3	(W)	(W)	(W)	-	-

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments -----	3 075	570	380	538	727	429	193	157	45	20	15
All employees** -----	23 068	735	684	1 254	2 876	3 187	2 491	3 722	2 630	1 516	3 971
Payroll, all employees -----	413 918	1 705	3 896	10 088	30 619	44 084	42 198	70 643	56 185	38 537	115 962
Construction worker hours (thousands) -----	32 426	585	650	1 454	3 550	4 120	3 213	5 102	3 857	2 500	7 391
All business receipts -----	1 284 769	6 312	13 640	38 541	114 716	145 989	133 481	236 761	(S)	139 735	282 590
Total construction receipts -----	1 236 899	6 165	13 399	37 360	111 679	140 894	126 954	228 215	164 231	134 857	273 144
Net construction receipts† -----	1 071 405	5 521	12 442	34 791	100 999	130 011	111 374	191 123	144 782	117 496	222 865
Value added†† -----	741 182	3 346	7 967	20 565	62 233	83 585	71 555	122 870	101 300	86 399	181 359
Payments for materials, components, supplies, and fuels -----	373 812	2 241	4 587	15 163	40 932	51 010	44 492	76 205	52 254	35 974	50 952
Payments for construction work subcontracted to others -----	165 494	644	957	2 569	10 679	10 882	15 580	37 092	19 449	17 361	50 279
Rental payments for machinery, equipment, and structures -----	20 010	92	225	286	985	1 940	1 762	5 507	2 201	2 202	4 808
Capital expenditures, other than land -----	24 442	*131	165	669	2 550	3 594	3 162	5 221	2 986	3 206	7 755
End-of-year gross book value of depreciable assets -----	369 322	1 764	4 682	11 281	29 699	44 744	37 656	68 523	48 152	29 832	92 988
1977											
All employees** -----	30 801	(S)	1 510	2 344	4 140	3 621	3 886	4 551	3 316	16 296	(NA)
Total construction receipts -----	1 107 206	(S)	23 940	50 748	113 429	126 938	155 848	188 364	139 209	129 315	(NA)
Value added†† -----	634 943	(S)	13 463	24 891	58 809	64 622	84 810	107 092	82 520	119 813	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees** -----	2	9	10	8	8	8	7	4	(W)	(W)	(W)
Net construction receipts† -----	2	10	11	8	7	7	6	4	(W)	(W)	(W)
Capital expenditures, other than land -----	6	42	33	26	18	20	22	12	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

*Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see Introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair			
	A	B	C	A	B	C
1982						
Total construction receipts†	1 236 899	932 655	304 243	2	2	2
Building construction	626 598	490 578	136 019	2	2	3
Single-family houses	163 736	118 557	45 178	5	5	7
Single-family houses, detached	156 185	112 913	43 272	5	6	7
Single-family houses, attached	7 551	5 644	1 906	12	15	17
Apartment buildings with two or more apartments	26 928	21 909	5 019	8	9	11
Other residential buildings	7 987	5 429	2 557	8	10	10
Office and bank buildings	70 024	54 547	15 477	5	6	4
Office buildings	56 381	44 410	11 971	6	7	4
Bank buildings and other financial institutions	13 643	10 136	3 506	7	9	8
Industrial buildings and warehouses	193 662	155 274	38 387	3	4	4
Industrial buildings	168 029	133 290	34 738	3	3	4
Warehouses	25 633	21 984	3 648	12	14	7
Stores, restaurants, public garages, and automobile service stations	56 929	44 327	12 602	6	7	11
Religious buildings	8 273	6 059	2 214	11	13	14
Educational buildings	34 757	28 971	5 786	6	8	12
Hospitals and institutional buildings	48 206	41 141	7 065	3	2	8
Other nonresidential buildings	16 105	14 364	1 734	25	27	19
Nonbuilding construction	494 647	352 340	142 307	2	2	2
Highways, streets, and related facilities	127 297	83 864	43 432	2	2	2
Bridges, tunnels, and elevated highways	19 150	14 628	4 521	(W)	(W)	2
Conservation and development construction	8 128	*2 772	*5 356	39	62	56
Power and communication transmission lines, towers, and related facilities	19 148	13 603	5 545	10	13	14
Sewers, water mains, and related facilities	51 882	47 592	4 289	6	6	21
Sewers, sewer lines, and related facilities	31 749	29 479	2 269	8	8	28
Water mains and related facilities	20 132	18 112	2 020	11	11	31
Pipeline, other than sewer or water lines	66 590	48 713	17 877	5	6	1
Sewage treatment and water treatment plants	13 381	12 841	*540	24	25	49
Sewage treatment plants	10 078	9 675	*403	31	33	66
Water treatment plants	3 302	3 165	136	14	14	(W)
Mass transit construction	7 518	3 997	3 520	3	1	4
Heavy industrial facilities	154 431	(D)	(D)	(W)	—	—
Other nonbuilding construction	27 122	(D)	(D)	11	—	—
Construction work, n.s.k.	115 654	89 737	25 916	6	6	7
1977						
Total construction receipts†	1 107 206	887 187	220 019	1	2	2
Building construction	616 193	467 548	148 645	2	3	3
Single-family houses	262 649	207 522	55 127	5	6	6
Apartment buildings with two or more apartments	17 607	11 102	6 505	12	11	26
Other residential buildings	5 900	3 190	2 710	8	12	8
Office and bank buildings	45 326	33 702	11 624	13	14	10
Industrial buildings and warehouses	159 878	122 880	36 998	1	1	3
Stores, restaurants, public garages, and automobile service stations	26 820	17 193	9 627	7	5	16
Religious buildings	9 022	5 848	3 174	8	11	10
Educational buildings	45 265	33 435	11 830	2	2	4
Hospitals and institutional buildings	31 583	22 866	8 717	3	2	6
Other nonresidential buildings	12 743	9 811	2 932	6	6	9
Nonbuilding construction	413 884	352 409	61 475	1	1	2
Highways, streets, and related facilities	127 281	111 506	15 775	1	1	3
Bridges, tunnels, and elevated highways	10 681	8 877	1 804	1	1	(W)
Power and communication transmission lines, towers, and related facilities	16 731	13 780	2 951	16	19	12
Sewers, water mains, and related facilities	37 264	30 983	6 281	6	5	19
Pipeline, other than sewer or water lines	20 901	20 492	409	1	1	4
Sewage treatment and water treatment plants	14 290	14 081	209	1	1	10
Heavy industrial facilities	155 838	126 991	28 847	(W)	(W)	(W)
Other nonbuilding construction	30 898	25 699	5 199	6	6	14
Construction work, n.s.k.	77 141	67 171	9 970	5	5	6

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and subdividers and developers	3 075	19 789	32 426	17 812	7 155	20 071	8 337
15,16, 17	Construction industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses	704	2 158	3 020	1 825	668	2 321	867
1522	Other residential buildings	49	191	245	193	58	219	67
1531	Operative builders	96	270	441	211	91	281	115
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses	47	846	1 323	795	306	912	353
1542	Nonresidential buildings, n.e.c.	155	1 297	2 113	1 301	520	1 235	517
16	Heavy construction general contractors:							
1611	Highway and street construction	68	1 404	2 692	929	408	1 421	683
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction	5	115	165	72	24	131	51
1623	Water, sewer, and utility lines	115	1 838	3 007	1 286	435	1 903	759
1629	Heavy construction, n.e.c.	81	2 796	5 386	3 270	1 501	2 698	1 374
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning	322	1 788	3 039	1 703	728	1 645	712
1721	Painting, paper hanging, and decorating	112	444	605	359	111	491	175
1731	Electrical work	245	1 954	3 619	1 985	898	1 979	891
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework	167	468	575	343	113	492	162
1742	Plastering, drywall, and insulation work	48	380	622	376	170	381	144
1743	Terrazzo, tile, marble, and mosaic work	*9	37	66	40	18	41	19
175	Carpentering and flooring:							
1751	Carpentering	171	503	577	480	133	561	163
1752	Floor laying and other floorwork	33	56	*85	67	*25	52	*20
1761	Roofing and sheet metal work	92	619	867	548	164	616	220
1771	Concrete work	75	387	569	197	72	393	138
1781	Water well drilling	29	69	*122	79	*36	64	*29
179	Miscellaneous special trade contractors:							
1791	Structural steel erection	23	329	442	211	77	332	112
1793	Glass and glazing work	*19	83	*121	91	*34	83	*30
1794	Excavating and foundation work	224	896	1 277	684	240	974	369
1795	Wrecking and demolition work	11	121	171	134	45	123	38
1796	Installing building equipment, n.e.c.	30	274	471	253	105	278	119
1799	Special trade contractors, n.e.c.	109	409	689	333	140	397	174
6552	Subdividers and developers, n.e.c.	32	54	102	45	22	46	*23

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
20 697	8 878	19 239	8 053	2	2	2	2	2	2	2	2	2	2	15,16, 17
														15
2 264 182	791 64	1 875 165	693 55	7 20	9 25	8 22	11 29	8 19	11 24	7 24	11 35	8 22	11 31	152 1521 1522
326	130	249	103	19	20	20	27	21	25	20	23	20	26	1531
904 1 373	364 556	760 1 246	300 519	7 6	5 6	8 8	6 7	8 7	7 7	6 7	5 7	6 7	6 8	154 1541 1542
														16
1 644	840	1 604	760	4	3	4	3	3	3	5	4	5	3	1611
														162
129 2 092 2 530	51 962 1 268	126 2 005 2 675	37 849 1 242	(W) 5 2	(W) 5 2	(W) 7 2	(W) 8 2	(W) 5 2	(W) 5 2	(W) 5 2	(W) 6 2	(W) 5 2	(W) 6 2	1622 1623 1629
														17
1 944	856	1 727	742	7	7	6	7	6	7	10	11	7	8	1711
443	172	390	146	17	18	20	23	18	23	17	22	18	23	1721
1 897	933	1 865	895	6	6	7	9	7	7	6	6	6	6	1731
														174
514 348 33	170 143 *14	419 403 33	128 163 13	12 10 24	14 8 23	14 10 22	22 9 32	12 10 21	18 10 29	13 14 27	20 14 45	14 10 27	20 10 34	1741 1742 1743
484 51	152 *20	378 45	127 *18	17 33	17 46	19 33	22 57	20 34	22 61	18 35	23 62	16 38	24 67	175 1751 1752
661	259	612	222	9	9	10	14	10	12	11	11	8	10	1761
482	193	433	165	17	16	13	19	22	20	19	19	18	20	1771
*64	*28	*59	*27	38	42	36	50	40	54	43	57	43	58	1781
														179
454 80 949 113 250 440	147 *28 362 41 108 194	317 77 853 111 307 423	105 *27 305 46 137 180	11 38 9 19 5 13	13 46 10 18 6 14	14 36 10 21 5 11	23 52 13 24 7 16	10 38 10 16 5 13	15 51 13 17 7 16	9 39 10 24 5 17	12 65 14 28 8 21	12 40 10 21 4 17	17 54 13 22 6 20	1791 1793 1794 1795 1796 1799
42	*20	79	*36	31	34	33	49	32	46	35	53	40	45	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers -----	7.5	17.9	1.6	62.5	.335	.302	.134	.020	.016
15,16,17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses -----	3.4	8.9	1.4	43.2	.228	.409	.177	.019	.009
1522	Other residential buildings -----	4.3	10.7	1.3	62.8	.186	.371	.251	.022	.021
1531	Operative builders -----	3.9	10.8	1.6	75.8	.197	.428	.225	.008	.004
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses -----	21.9	20.2	1.6	87.4	.282	.277	.250	.012	.015
1542	Nonresidential buildings, n.e.c. -----	10.3	16.9	1.6	98.6	.212	.239	.406	.009	.010
16	Heavy construction general contractors:									
1611	Highway and street construction -----	24.3	19.5	1.9	95.1	.240	.359	.139	.023	.035
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction -----	26.4	21.9	1.4	110.8	.227	(D)	(D)	(D)	.017
1623	Water, sewer, and utility lines -----	18.2	18.8	1.6	54.9	.390	.249	.068	.048	.021
1629	Heavy construction, n.e.c. -----	38.8	28.3	1.9	65.4	.486	.157	.117	.014	.018
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning -----	6.9	16.2	1.7	57.4	.353	.427	.059	.013	.011
1721	Painting, paper hanging, and decorating -----	4.4	13.3	1.4	35.9	.411	.240	.028	.021	.014
1731	Electrical work -----	9.6	21.2	1.9	55.4	.458	.343	.018	.015	.006
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework -----	3.0	11.1	1.2	30.1	.393	.261	.018	.010	.008
1742	Plastering, drywall, and insulation work -----	9.7	24.4	1.6	57.6	.518	.293	.013	.020	.010
1743	Terrazzo, tile, marble, and mosaic work -----	*5.6	17.9	1.8	63.8	.380	.507	(D)	-	.015
175	Carpentering and flooring:									
1751	Carpentering -----	3.2	9.2	1.1	35.0	.284	.413	.090	*.020	.003
1752	Floor laying and other floorwork -----	2.1	11.4	*1.5	80.1	.178	.390	*.037	*.005	(D)
1761	Roofing and sheet metal work -----	7.8	16.4	1.4	57.2	.331	.363	.021	.006	.005
1771	Concrete work -----	5.7	11.5	1.5	50.4	.251	(D)	.035	.035	.024
1781	Water well drilling -----	2.4	*10.9	*1.8	40.7	*.275	*.443	*.020	.027	*.016
179	Miscellaneous special trade contractors:									
1791	Structural steel erection -----	16.3	20.1	1.3	58.7	.389	.362	(D)	.019	.021
1793	Glass and glazing work -----	*5.8	11.5	*1.5	45.4	.335	.462	-	-	.012
1794	Excavating and foundation work -----	4.5	14.9	1.4	61.5	.275	.213	.056	.051	.038
1795	Wrecking and demolition work -----	12.9	18.2	1.4	44.4	.481	.149	.027	.042	.022
1796	Installing building equipment, n.e.c. -----	10.8	23.6	1.7	103.3	.270	.296	(D)	.002	.011
1799	Special trade contractors, n.e.c. -----	4.3	14.6	1.7	48.7	.346	.310	(D)	.022	.011
6552	Subdividers and developers, n.e.c. -----	3.3	9.5	1.9	52.4	.351	.192	.237	(D)	(D)

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[Not applicable]

APPENDIX A.

Explanation of Terms

Construction—Is composed of three broad categories: (1) new construction, (2) additions and alterations, and (3) maintenance and repair. "New construction" includes the complete, original erection of structures and essential service facilities and the initial installation of integral equipment such as elevators and escalators. "Additions and alterations" includes construction activity making structural changes to existing facilities. "Maintenance and repair" includes the restoration of existing buildings or other structures or their service facilities, including the replacement of integral parts. Repainting, repapering, reroofing, etc., are also included.

Construction includes:

- special trade contracting such as electrical work, painting, and carpentering on mobile structures (trailers, mobile homes, and ships).
- support activities by construction contractors on mineral properties, except the following: sinking mine shafts; tunneling and shoring mines; erection, repairing and dismantling of drilling rigs; and building well foundations.
- the physical development of land for purposes other than agriculture.
- demolition of existing structures.

Construction does not include:

- shipbuilding.
- manufacturing of other mobile structures.

Number of establishments in business during year—Includes all establishments that were in business at any time during the year. It covers all full-year and part-year operations. Construction establishments which were inactive or idle for the entire year were not included.

Number of establishments in business at end of year—Includes all full-year or part-year establishments that were in business at the end of 1982.

Proprietors and working partners—These data were not collected on the census report forms. The data shown are based on crediting each sole proprietorship establishment with one active proprietor and each partnership establishment with two working partners. The partnership factor was based on information received during a large-scale test conducted in prior years.

All employees—Comprised all full-time and part-time employees on the payrolls of construction establishments who worked or received pay for any part of the pay period including the 12th of March, May, August, and November. Included are all persons on paid-sick leave, paid holidays, and paid vacations during these pay periods. Officers of corporations are included, but proprietors and partners of unincorporated firms are excluded.

Total employment is calculated for each establishment and is derived by summing the construction workers data reported for March, May, August, and November, dividing by 4 and adding to it the number of other employees reported for March.

This approach was designed to simplify the questionnaire format and the reporting requirements of respondents. The industry average of these four selected pay periods approximates very closely the average employment for the year that would be obtained by using pay periods in all 12 months for almost all of the construction industries.

Construction workers—Includes all workers up through the working supervisor level directly engaged in construction operations, such as painters, carpenters, plumbers, and electricians. Included are journeymen, mechanics, apprentices, laborers, truck drivers and helpers, equipment operators, and on-site record keepers and security guards. Supervisory employees above the working supervisor level are excluded from this category but are included in the "other employees" category.

Other employees—Includes employees in executive, purchasing, accounting, personnel, professional, technical activities, and routine office functions. Also included are supervisory employees above the working supervisor level.

Construction worker hours—Includes the total number of hours worked by construction workers. Construction worker hours were collected for each of the four quarters of 1982 and are published in the detailed statistics tables.

Payroll—Includes the gross earnings paid in the calendar year 1982 to all employees on the payroll of construction establishments. It includes all forms of compensation, such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick-leave pay, prior to such deductions as employees' Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. The total includes salaries of officers of these establishments, if a corporation, but excludes payments to the proprietor or partners, if an unincorporated concern.

Payroll data were collected and tabulated for the employment categories described above and separately for the first quarter of 1982.

Payroll data for auxiliary establishments of multiestablishment companies are not included in these totals. Selected data for these types of establishments are found in the industry summary report and the 1982 Enterprise Statistics reports.

Employer costs for fringe benefits—Represents expenditures made by the employer during 1982 for legally required and voluntary fringe benefit programs for employees. These include employers' Social Security contributions, unemployment compensation, workers' compensation, State temporary disability payments, union negotiated benefits, life insurance premiums, pension plans, insurance premiums on hospital and medical plans, and welfare plans.

All business receipts—Includes all receipts from general contracting, special trade contracting or subcontracting, and land development and improvement work. It also includes all receipts from the sale of land (not recorded as fixed assets of the reporting establishments) and buildings built for sale. All other receipts from the reporting establishment's other business operations (rental of equipment to others, wholesale or retail sales, etc.) are also included.

Money obtained during the year in the form of construction loans is not treated as receipts, nor is money realized from the sale or other disposition of the establishment's fixed assets.

Also excluded are receipts from operations in foreign countries and nonoperating income such as interest and dividends.

All business receipts are broken down in the following detail:

Total construction receipts—Includes all receipts during 1982 for construction work performed by general contractors, special trades contractors or subcontractors, and for land development and improvement work. Included are receipts for maintenance and repair construction work, as well as for new construction and additions and alterations. Also included is the value of any construction work done by the reporting establishments for themselves.

Builders were instructed to include in this item their 1982 receipts from the sale of buildings and other structures built for sale, excluding from these receipts the value of the land (see "land receipts" below) but including the value of any improvements an establishment made to the land. Builders who traded a new home or other building for an existing one were to include the estimated value of the trade-in.

Also included in construction receipts were fees received as sponsors of joint ventures and fees received as agents for owners (for construction work).

Excluded were receipts for separately definable architectural and engineering work done by the reporting establishment for others and receipts from the rental of equipment to others (see "other business receipts" below).

Establishments engaged in the sale and installation of such construction components as plumbing, heating, and central air conditioning supplies and equipment; lumber and building materials; paint, glass, and wallpaper; and electrical and wiring supplies for construction purposes were instructed to include as construction receipts both the receipts for the installation and the receipts for the value (selling price) of the items installed. (Receipts for the selling price of items sold but not installed were to be included in "other business receipts.")

Receipts for work subcontracted in from others—Covers receipts during 1982 for work done by reporting establishments for other construction contractors or builders. Establishments were asked to report the approximate percent of total construction receipts accounted for by such work, and the percentages reported were applied to the reported construction receipts to develop a value for this item.

Land receipts—Includes receipts from the sale of land, whether held for sale or sold in connection with the sale of houses and other structures. It excludes the value of any improvements made to the land prior to the sale. (That value was to be included in construction receipts.)

Other business receipts—Includes business receipts not reported as construction receipts or land receipts. The item includes business receipts from retail and wholesale trade, rental of equipment, manufacturing, transportation, legal service, insurance, finance, rental of property and other real estate operations, and other nonconstruction activities. Receipts for separately definable architectural and engineering work for others are also included here.

Net construction receipts—Derived for each establishment by subtracting the payments made for construction work subcontracted to others from the total construction receipts. (For a further explanation, see "Duplication of Receipts" section in the Introduction.)

Value added—Derived for each establishment, value added is equal to all business receipts, less payments for construction work subcontracted to others and payments for materials, components, supplies, and fuels. For SIC 6552 and SIC 1531, for which land receipts are significant, value added is modified to be equal to all business receipts less land receipts; payments for construction work subcontracted to others; and payments for materials, components, supplies, and fuels. (For a further explanation, see "Duplication of Receipts" section in the Introduction.)

Selected payments—Represents the total of payments for materials, components, and supplies; payments for construction work subcontracted to others; and payments for selected power, fuels, and lubricants. Capital expenditures and rental payments for machinery, equipment, and structures are shown elsewhere.

Payments for materials, components, and supplies include:

- total payments made by the reporting establishments during 1982 for the purchase of all materials, components, and supplies, except fuels, used for construction. (Supplies include expendable tools charged to current accounts.)
- freight and other direct charges incurred by the reporting establishment in acquiring the materials, components, and supplies are also included, as are the value of materials, components, and supplies obtained from other establishments of the respondent's company. Payments represent the amount paid after discounts.
- payments for materials, components, and supplies used by the reporting establishments in the construction of new plants or equipment for themselves, which are chargeable to their fixed assets accounts, are included in this item as are payments for materials bought and resold to others.
- payments made for direct purchases of materials, components, and supplies even though the purchases were subsequently provided to subcontractors for their use.

Payments for materials, components, and supplies include only payments for physical goods and represent the amount paid after discounts.

Excluded from this item are:

- services such as advertising, telephone, telegraph and cable, insurance, developmental and research services of engineering, management, marketing, and other professional consultants, unless their costs are included in the prices paid for materials.
- overhead items such as depreciation charges against plant and equipment, rent and rental allowances, interest payments, royalties, patent fees, payments for land, rental of construction machinery or equipment, and construction work let out to other construction contractors.
- materials furnished to contractors by the owners of projects.

Payments for construction work subcontracted to others include:

- all payments made during 1982 for construction work subcontracted out to other construction contractors. General contractors were instructed to include payments to subcontractors. Builders were instructed to include payments made to general contractors and also payments made directly to subcontractors.
- special trade contractors were instructed to include payments made to other subcontractors. The payments made by the reporting establishment for its purchases of materials, components, and supplies are not included here, even if they were provided to a subcontractor for his use. Such purchases are reported under a separate category, "payments for materials, components, and supplies." However, if payments to subcontractors covered materials purchased directly by the subcontractors, then the total of such payments (including material charges) should have been reported in this item.

Excluded from this item are:

- payments made for the rental of construction machinery or equipment.

Payments for selected power, fuels, and lubricants include:

- payments made for fuels, lubricants, and electric energy purchased during the year from other companies, or received from other establishments of the parent company.
- payments made for natural and manufactured gas, fuel oil, coal and coke products, etc.

Dollar amounts include freight and other direct charges.

Storage capacity for fuels—Data for storage capacity for fuels were collected from heavy construction contractors, other than building construction contractors. Data are published in the detailed statistics tables for the heavy construction industries, i.e., SIC 1611, SIC 1622, SIC 1623, and SIC 1629.

Rental payments for machinery, equipment, and structures—Includes all payments made during 1982 for renting or leasing construction machinery and equipment, transportation equipment, production equipment, office equipment, furniture and fixtures, scaffolding, office space, and buildings. It excludes payments for the rental of land. It also excludes payments made under agreements which, in effect, are conditional sales contracts and which, as a result, are capitalized. Such payments are included in "capital expenditures." It also excludes payments made under agreements which, in effect, are true subcontract construction arrangements; such payments are included in payments for "construction work subcontracted to others."

Selected purchased services—Includes all payments made during 1982 for communication services purchased from other companies or from other establishments of the parent company. It also includes the cost of all repairs made to structures and equipment by outside firms, or from other establishments of the parent companies. It includes only the cost of that repair necessary to maintain property and equipment. It excludes the cost of improvements that increases the value of property, or the cost of adapting it for another use.

Fixed assets and depreciation—Refers to the value of all fixed tangible assets such as buildings and other structures (offices, shops, etc.); stationary machinery (generators, shop equipment, etc.); mobile machinery (tractors, trucks, etc.); and other equipment (office furniture and fixtures, etc.). Not included are such items as current assets, depletable assets, intangible assets, and nondepreciable assets.

Data on fixed assets and depreciation were collected separately for: (1) structures, additions, and related facilities; (2) machinery and equipment; and (3) the total of both.

Respondents were asked to report the gross book value-acquisition cost (original cost or other basis) at the beginning and at the end of 1982. They were also asked to report capitalized expenditures, depreciation charges, and the gross value of assets sold, retired, scrapped, destroyed, etc., during 1982.

Capital expenditures—Refers to all costs actually incurred during 1982 which were or would be chargeable to the fixed assets accounts of the reporting establishments and which were of the type for which depreciation accounts are ordinarily maintained. These expenditures cover the acquisition, the construction, and the major alteration of the reporting establishment's own buildings and other structures, whether purchased, constructed under contract, or constructed by the reporting establishment's own forces; and the acquisition of machinery and equipment. Included are payments made under agreements which, in effect, are conditional sales contracts and which, as a result, are capitalized.

Respondents were instructed not to include any expenditures actually made prior to, or after 1982. For example, if they began construction of a building for an establishment's own use before 1982 and did not complete it until after 1982, they were to report only those costs actually incurred during 1982.

If capital expenditures were not recorded directly at the establishment level but handled centrally at the company or division level, respondents were requested to report appropriate estimates for the individual establishments.

- **New structures and related facilities**—Includes the total expenditures during 1982 for new buildings and structures, major additions and alterations to buildings and structures, and other facilities for the reporting establishment's use (such as roads, docks, tracks, parking lots, and fences). It excludes expenditures for land.
- **New machinery and equipment**—Includes expenditures for new machinery and new equipment. This item also includes capitalized repairs and improvements to used machinery and equipment.
- **New automobiles and trucks intended primarily for highway use**—Includes expenditures for new automobiles and trucks and capitalized repairs and improvements to used automobiles and trucks.
- **Used structures and related facilities**—Covers expenditures for used structures and related facilities acquired from others.
- **Used machinery and equipment**—Includes expenditures for used machinery and equipment acquired from others, including automobiles and trucks. Capitalized repairs and improvements to such equipment are reported as new machinery and equipment.

Value of inventories—Includes all of the materials and supplies that are owned and located within the United States. Excludes materials which are owned by others, but held by the reporting establishment.

Inventories of multiestablishment companies were instructed to be reported by the establishment that is responsible for the inventories even if these inventories were held at a separate location.

Establishments building structures on their own land for sale (operative builders) were instructed to include the value of materials on hand at the end of the year but not to include the structures not yet sold or under construction.

Land subdividers and developers were instructed to include the value of materials on hand at the end of the year, but not include land not yet sold or under construction.

Ownership of construction projects—This item shows the distribution of construction receipts by ownership of the project—Government owned or privately owned. This classification relates to the ownership of the projects or work undertaken and not to the financing. Government owned projects cover those owned by the Federal, Commonwealth, or local governments including public authorities and special districts.

Types of construction—This item provides data by the types of buildings, structures, or other facilities being constructed or worked on by construction establishments in 1982. Respondents were instructed that each building, structure, or other facility should be classified in terms of its function. For example, a restaurant building was to be classified in the restaurant category whether it was designed as a commercial restaurant building or an auxiliary unit of an educational institution. However, complex projects consisting of two or more types of buildings, structures, or other facilities are difficult to classify because sufficient information is seldom available. Therefore, respondents were told to classify complex projects by the major function of the total complex.

In addition, heavy construction contractors and special trade contractors were requested to report the percentage of construction receipts derived from new construction work, including additions and alterations, and from maintenance and repair work for each of these types. General building contractors were requested to report the percentage of construction receipts derived from new construction work, from additions and alterations, and from maintenance and repair work for each of these types. See the definition of "Construction" for the meanings of new construction, additions and alterations, and maintenance and repair.

Building construction:

- **Single-family houses, detached**—Includes all residential buildings constructed for one family use.
- **Single-family houses, attached (includes townhouses)**—Includes all residential buildings with two or more living quarters side by side, completely independent of one another, and separated by an unbroken party or lot line wall from ground to roof.
- **Apartment buildings with two or more apartments**—Includes high-rise, low-rise, or any structures other than containing two or more housing units.
- **Other residential buildings**—Includes hotels, motels, dormitories, and other nonhousekeeping residential structures.
- **Bank buildings and other financial institutions**—Includes all buildings which are used primarily to house banks or other financial institutions.
- **Warehouses**—Includes commercial warehouses, cold storage plants, grain elevators, miniwarehouses, and other storage buildings.
- **Farm buildings, nonresidential**—Includes nonresidential farm buildings such as barns, poultry houses, implement sheds, and farm silos.
- **Industrial buildings**—Includes all industrial buildings and plants which are used to house production and assembly activities. Note that heavy industrial facilities such as blast furnaces, petroleum refineries, chemical complexes, etc., are NOT included in this category, but are shown under nonbuilding construction.
- **Office buildings**—Includes all buildings which are used primarily for office space or for government administrative offices.
- **Other commercial buildings such as stores, restaurants, and automobile service stations**—Includes all buildings which are intended for use primarily in the wholesale, retail, and service trades. For example, complete shopping centers, department stores, drug stores, restaurants, public garages, and auto service stations.
- **Religious buildings**—Includes all buildings which are intended for religious services or functions, such as churches, synagogues, convents, monasteries, and seminaries.

- **Educational buildings**—Includes all buildings which are used directly in administrative and instructional activities, such as colleges, universities, elementary and secondary schools, correspondence, commercial, and trade schools. Libraries, museums and art galleries, as well as laboratories which are not a part of a manufacturing establishment, are also included.
- **Hospitals and institutional buildings**—Includes all buildings which are intended to provide hospital and institutional care, such as clinics, infirmaries, sanitariums, nursing homes, homes for the aged, and orphanages.
- **Amusement, social, and recreational buildings**—Includes buildings which are used primarily for entertainment, social, and recreational activities, such as sports arenas, theaters, music halls, golf and country club buildings, skating rinks, bowling alleys, and indoor swimming pools.
- **Other nonresidential buildings**—Includes buildings which are not classified elsewhere, such as fire stations, bus and air passenger terminals, hangars, etc.

Nonbuilding construction:

- **Outdoor swimming pools**—Includes wading pools and reflecting pools.
- **Elevated highways**—Includes roads, highways, and causeways built on structural supports.
- **Bridges**—Includes viaducts, trestles, and overpasses.
- **Tunnels**—Includes highway, pedestrian, and railway tunnels, etc.
- **Railroad construction**—Includes the construction of railroad beds, tracks, freight yards, and signal towers.
- **Subway construction**—Includes urban mass transit subway systems above or below ground.
- **Dam and reservoir construction**—Includes hydroelectric, water supply, and flood control dams and reservoirs.
- **Marine construction**—Includes dredging, underwater rock removal, breakwaters, navigational channels, jetties, and locks.
- **Harbor and port facilities**—Includes docks, piers, and wharves.
- **Conservation and development construction**—Includes land reclamation, irrigation projects, drainage canals, dikes, and levees.
- **Power and communication transmission lines, towers, and related facilities**—Includes telephone and telegraph lines, television and radio towers, electric light and power facilities.
- **Power plants, except nuclear**—Includes electric and steam generating plants.
- **Power plants, nuclear**—Includes atomic energy plants and nuclear reactors.
- **Sewers, sewerlines, and related facilities**—Includes sanitary and storm sewers and related facilities.
- **Sewage treatment plants**—Includes sewage treatment and waste disposal plants.
- **Water mains and related facilities**—Includes water supply systems and related facilities.
- **Water treatment plants**—Includes water filtration and water softening plants.
- **Pipeline construction other than sewer or waterlines**—Includes pipelines for the transmission of gas, petroleum products, and liquefied gases.
- **Blast furnaces, petroleum refineries, chemical complexes, etc.**—Includes coke ovens, and mining appurtenances such as tipples and washeries.
- **Other nonbuilding construction**—Includes all types of nonbuilding construction, not included elsewhere.

Location of construction work—This item includes data for each State in which respondents engaged in construction work and the extent (percent of construction receipts) of that work.

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APPENDIX B. Standard Industrial Classification Titles for Industry Groups and Industries

SIC code	Industry titles	SIC code	Industry titles
15	BUILDING CONSTRUCTION—GENERAL CONTRACTORS AND OPERATIVE BUILDERS	17	CONSTRUCTION—SPECIAL TRADE CONTRACTORS—Con.
152	General Building Contractors—Residential Buildings	173	Electrical Work Special Trade Contractors
1521	General Contractors—Single-Family Houses	1731	Electrical Work Special Trade Contractors
1522	General Contractors—Residential Buildings, Other Than Single-Family Houses	174	Masonry, Stonework, Tile Setting, and Plastering Special Trade Contractors
153	Operative Builders	1741	Masonry, Stone Setting, and Other Stonework Special Trade Contractors
1531	Operative Builders	1742	Plastering, Drywall, Acoustical and Insulation Work Special Trade Contractors
154	General Building Contractors—Nonresidential Buildings	1743	Terrazzo, Tile, Marble, and Mosaic Work Special Trade Contractors
1541	General Contractors—Industrial Buildings and Warehouses	175	Carpentering and Flooring Special Trade Contractors
1542	General Contractors—Nonresidential Buildings, Other Than Industrial Buildings and Warehouses	1751	Carpentering Special Trade Contractors
16	CONSTRUCTION OTHER THAN BUILDING CONSTRUCTION—GENERAL CONTRACTORS	1752	Floor Laying and Other Floorwork Special Trade Contractors, N.E.C.
161	Highway and Street Construction, Except Elevated Highways	176	Roofing and Sheet Metal Work Special Trade Contractors
1611	Highway and Street Construction Contractors	1761	Roofing and Sheet Metal Work Special Trade Contractors
162	Heavy Construction, Except Highway and Street Construction	177	Concrete Work Special Trade Contractors
1622	Bridge, Tunnel, and Elevated Highway Construction Contractors	1771	Concrete Work Special Trade Contractors
1623	Water, Sewer, Pipe Line, Communication and Power Line Construction Contractors	178	Water Well Drilling Special Trade Contractors
1629	Heavy Construction Contractors, N.E.C.	1781	Water Well Drilling Special Trade Contractors
17	CONSTRUCTION—SPECIAL TRADE CONTRACTORS	179	Miscellaneous Special Trade Contractors
171	Plumbing, Heating (Except Electric), and Air Conditioning Special Trade Contractors	1791	Structural Steel Erection Special Trade Contractors
1711	Plumbing, Heating (Except Electric), and Air Conditioning Special Trade Contractors	1793	Glass and Glazing Work Special Trade Contractors
172	Painting, Paper Hanging, and Decorating Special Trade Contractors	1794	Excavating and Foundation Work Special Trade Contractors
1721	Painting, Paper Hanging, and Decorating Special Trade Contractors	1795	Wrecking and Demolition Work Special Trade Contractors
		1796	Installation or Erection of Building Equipment Special Trade Contractors, N.E.C.
		1799	Special Trade Contractors, N.E.C.
		6552	SUBDIVIDERS AND DEVELOPERS, EXCEPT CEMETERIES

APPENDIX C.

Geographic Divisions and States

NEW ENGLAND STATES

Connecticut
Maine
Massachusetts
New Hampshire
Rhode Island
Vermont

MIDDLE ATLANTIC STATES

New Jersey
New York
Pennsylvania

EAST NORTH CENTRAL STATES

Illinois
Indiana
Michigan
Ohio
Wisconsin

WEST NORTH CENTRAL STATES

Iowa
Kansas
Minnesota
Missouri
Nebraska
North Dakota
South Dakota

SOUTH ATLANTIC STATES

Delaware
District of Columbia
Florida
Georgia
Maryland

SOUTH ATLANTIC STATES—Con.

North Carolina
South Carolina
Virginia
West Virginia

EAST SOUTH CENTRAL STATES

Alabama
Kentucky
Mississippi
Tennessee

WEST SOUTH CENTRAL STATES

Arkansas
Louisiana
Oklahoma
Texas

MOUNTAIN STATES

Arizona
Colorado
Idaho
Montana
Nevada
New Mexico
Utah
Wyoming

PACIFIC STATES

Alaska
California
Hawaii
Oregon
Washington

APPENDIX D.

Standard Consolidated Statistical Areas and Standard Metropolitan Statistical Areas

[Titles and definitions shown for SCSA's and SMSA's are those established by the Office of Management and Budget, as of January 1982]

Standard Consolidated Statistical Areas

SCSA and definition	SCSA and definition	SCSA and definition
Boston-Lawrence-Lowell, Mass.-N.H. Boston, Mass., SMSA Brockton, Mass., SMSA Lawrence-Haverhill, Mass.-N.H., SMSA Lowell, Mass.-N.H., SMSA	Houston-Galveston, Tex. Galveston-Texas City, Tex., SMSA Houston, Tex., SMSA Indianapolis-Anderson, Ind.² Anderson, Ind., SMSA Indianapolis, Ind., SMSA Los Angeles-Long Beach-Anaheim, Calif. Anaheim-Santa Ana-Garden Grove, Calif., SMSA Los Angeles-Long Beach, Calif., SMSA Oxnard-Simi Valley-Ventura, Calif., SMSA Riverside-San Bernardino-Ontario, Calif., SMSA Miami-Fort Lauderdale, Fla. Fort Lauderdale-Hollywood, Fla., SMSA Miami, Fla., SMSA Milwaukee-Racine, Wis. Milwaukee, Wis., SMSA Racine, Wis., SMSA New York-Newark-Jersey City, N.Y.-N.J.-Conn. Jersey City, N.J., SMSA Long Branch-Asbury Park, N.J., SMSA Nassau-Suffolk, N.Y., SMSA New Brunswick-Perth Amboy-Sayreville, N.J., SMSA	New York-Newark-Jersey City, N.Y.-N.J.-Conn.— Con. New York, N.Y.-N.J., SMSA Newark, N.J., SMSA Norwalk, Conn., SMSA Paterson-Clifton-Passaic, N.J., SMSA Stamford, Conn., SMSA Philadelphia-Wilmington-Trenton, Pa.-Del.-N.J.-Md. Philadelphia, Pa.-N.J., SMSA Trenton, N.J., SMSA Wilmington, Del.-N.J.-Md., SMSA Providence-Fall River, R.I.-Mass.² Fall River, Mass.-R.I., SMSA Providence-Warwick-Pawtucket, R.I.-Mass., SMSA San Francisco-Oakland-San Jose, Calif. San Francisco-Oakland, Calif., SMSA San Jose, Calif., SMSA Santa Rosa, Calif., SMSA ¹ Vallejo-Fairfield-Napa, Calif., SMSA Seattle-Tacoma, Wash. Seattle-Everett, Wash., SMSA Tacoma, Wash., SMSA

¹1977 title was Chicago-Gary, Ill.-Ind.; Kenosha, Wis., SMSA has been added.

²New SCSA since 1977 Economic Censuses.

³Santa Rosa, Calif., SMSA added since 1977 Economic Censuses.

Standard Metropolitan Statistical Areas

SMSA and definition	SMSA and definition	SMSA and definition
Abilene, Tex. Callahan County, Tex. Jones County, Tex. Taylor County, Tex. Akron, Ohio Portage County, Ohio Summit County, Ohio Albany, Ga. Dougherty County, Ga. Lee County, Ga. Albany-Schenectady-Troy, N.Y. Albany County, N.Y. Montgomery County, N.Y. Rensselaer County, N.Y. Saratoga County, N.Y. Schenectady County, N.Y. Albuquerque, N. Mex. Bernalillo County, N. Mex. Sandoval County, N. Mex. Alexandria, La. Grant Parish, La. Rapides Parish, La. Allentown-Bethlehem-Easton, Pa.-N.J. Warren County, N.J. Carbon County, Pa. Lehigh County, Pa. Northampton County, Pa.	Altoona, Pa. Blair County, Pa. Amarillo, Tex. Potter County, Tex. Randall County, Tex. Anaheim-Santa Ana-Garden Grove, Calif. Orange County, Calif. Anchorage, Alaska Anchorage Borough, Alaska Anderson, Ind. Madison County, Ind. Anderson, S.C.¹ Anderson County, S.C. Ann Arbor, Mich. Washtenaw County, Mich. Anniston, Ala. Calhoun County, Ala. Appleton-Oshkosh, Wis. Calumet County, Wis. Outagamie County, Wis. Winnebago County, Wis. Asheville, N.C. Buncombe County, N.C. Madison County, N.C.	Athens, Ga.¹ Clarke County, Ga. Jackson County, Ga. Madison County, Ga. Oconee County, Ga. Atlanta, Ga. Butts County, Ga. Cherokee County, Ga. Clayton County, Ga. Cobb County, Ga. De Kalb County, Ga. Douglas County, Ga. Fayette County, Ga. Forsyth County, Ga. Fulton County, Ga. Gwinnett County, Ga. Henry County, Ga. Newton County, Ga. Paulding County, Ga. Rockdale County, Ga. Walton County, Ga. Atlantic City, N.J. Atlantic County, N.J. Augusta, Ga.-S.C. Columbia County, Ga. Richmond County, Ga. Aiken County, S.C.

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Austin, Tex. Hays County, Tex. Travis County, Tex. Williamson County, Tex.	Boston, Mass. Essex County, Mass. (part) Beverly city, Mass. Boxford town, Mass. Danvers town, Mass. Hamilton town, Mass. Lynn city, Mass. Lynnfield town, Mass. Manchester town, Mass. Marblehead town, Mass. Middleton town, Mass. Nahant town, Mass. Peabody city, Mass. Salem city, Mass. Saugus town, Mass. Swampscott town, Mass. Topsfield town, Mass. Wenham town, Mass.	Boston, Mass.—Con. Norfolk County, Mass. (part)—Con. Stoughton town, Mass. Walpole town, Mass. Wellesley town, Mass. Westwood town, Mass. Weymouth town, Mass. Wrentham town, Mass. Plymouth County, Mass. (part) Abington town, Mass. Duxbury town, Mass. Hanover town, Mass. Hanson town, Mass. Hingham town, Mass. Hull town, Mass. Kingston town, Mass. Marshfield town, Mass. Norwell town, Mass. Pembroke town, Mass. Rockland town, Mass. Scituate town, Mass.
Bakersfield, Calif. Kern County, Calif.	Middlesex County, Mass. (part) Acton town, Mass. Arlington town, Mass. Ashland town, Mass. Bedford town, Mass. Belmont town, Mass.	Suffolk County, Mass. Boston city, Mass. Chelsea city, Mass. Revere city, Mass. Winthrop town, Mass.
Baltimore, Md. Anne Arundel County, Md. Baltimore County, Md. Carroll County, Md. Harford County, Md. Howard County, Md. Baltimore city, Md. ²	Boxborough town, Mass. Burlington town, Mass. Cambridge city, Mass. Carlisle town, Mass. Concord town, Mass.	Bradenton, Fla. Manatee County, Fla.
Bangor, Maine¹ Penobscot County, Maine (part) Bangor city, Maine Brewer city, Maine Eddington town, Maine Glenburn town, Maine Hampden town, Maine Hermon town, Maine Holden town, Maine Kenduskeag town, Maine Old Town city, Maine Orono town, Maine Orrington town, Maine Penobscot Indian Island Indian Reservation, Maine Veazie town, Maine	Everett city, Mass. Framingham town, Mass. Holliston town, Mass. Lexington town, Mass. Lincoln town, Mass.	Bremerton, Wash.¹ Kitsap County, Wash.
Waldo County, Maine (part) Winterport town, Maine	Malden city, Mass. Medford city, Mass. Melrose city, Mass. Natick town, Mass. Newton city, Mass.	Bridgeport, Conn. Fairfield County, Conn. (part) Bridgeport city, Conn. Easton town, Conn. Fairfield town, Conn. Monroe town, Conn. Shelton city, Conn. Stratford town, Conn. Trumbull town, Conn.
Baton Rouge, La. Ascension Parish, La. East Baton Rouge Parish, La. Livingston Parish, La. West Baton Rouge Parish, La.	North Reading town, Mass. Reading town, Mass. Sherborn town, Mass. Somerville city, Mass. Stoneham town, Mass.	New Haven County, Conn. (part) Derby city, Conn. Milford city, Conn. Milford town balance, Conn. ³ Woodmont borough, Conn. ³
Battle Creek, Mich. Barry County, Mich. Calhoun County, Mich.	Sudbury town, Mass. Wakefield town, Mass. Waltham city, Mass. Watertown town, Mass. Wayland town, Mass.	Bristol, Conn. Hartford County, Conn. (part) Bristol city, Conn. Burlington town, Conn.
Bay City, Mich. Bay County, Mich.	Weston town, Mass. Wilmington town, Mass. Winchester town, Mass. Woburn city, Mass.	Litchfield County, Conn. (part) Plymouth town, Conn.
Beaumont-Port Arthur-Orange, Tex. Hardin County, Tex. Jefferson County, Tex. Orange County, Tex.	Norfolk County, Mass. (part) Bellingham town, Mass. Braintree town, Mass. Brookline town, Mass. Canton town, Mass. Cohasset town, Mass.	Brockton, Mass. Bristol County, Mass. (part) Easton town, Mass.
Bellingham, Wash.¹ Whatcom County, Wash.	Dedham town, Mass. Dover town, Mass. Foxborough town, Mass. Franklin town, Mass. Holbrook town, Mass.	Norfolk County, Mass. (part) Avon town, Mass.
Benton Harbor, Mich.¹ Berrien County, Mich.	Medfield town, Mass. Medway town, Mass. Millis town, Mass. Milton town, Mass. Needham town, Mass.	Plymouth County, Mass. (part) Bridgewater town, Mass. Brockton city, Mass. East Bridgewater town, Mass. Halifax town, Mass. West Bridgewater town, Mass. Whitman town, Mass.
Billings, Mont. Yellowstone County, Mont.	Norfolk town, Mass. Norwood town, Mass. Quincy city, Mass. Randolph town, Mass. Sharon town, Mass.	Brownsville-Harlingen-San Benito, Tex. Cameron County, Tex.
Biloxi-Gulfport, Miss. Hancock County, Miss. Harrison County, Miss. Stone County, Miss.		Bryan-College Station, Tex. Brazos County, Tex.
Binghamton, N.Y.-Pa. Broome County, N.Y. Tioga County, N.Y. Susquehanna County, Pa.		Buffalo, N.Y. Erie County, N.Y. Niagara County, N.Y.
Birmingham, Ala. Jefferson County, Ala. St. Clair County, Ala. Shelby County, Ala. Walker County, Ala.		Burlington, N.C. Alamance County, N.C.
Blmarck, N. Dak.¹ Burleigh County, N. Dak. Morton County, N. Dak.		Burlington, Vt.¹ Chittenden County, Vt. (part) Burlington city, Vt. Charlotte town, Vt. Colchester town, Vt. Essex Junction village, Vt. Essex town balance, Vt.
Bloomington, Ind. Monroe County, Ind.		
Bloomington-Normal, Ill. McLean County, Ill.		
Boise City, Idaho Ada County, Idaho		

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

MSMA and definition	MSMA and definition	MSMA and definition
Burlington, Vt.¹—Con. Chittenden County, Vt. (part)—Con. Hinesburg town, Vt. Jericho town, Vt. Jericho village, Vt. Milton town, Vt. Milton village, Vt. Richmond town, Vt. Richmond village, Vt. Shelburne town, Vt. South Burlington city, Vt. St. George town, Vt. Williston town, Vt. Winooski city, Vt. Franklin County, Vt. (part) Georgia town, Vt. Grand Isle County, Vt. (part) South Hero town, Vt.	Columbia, Mo. Boone County, Mo. Columbia, S.C. Lexington County, S.C. Richland County, S.C. Columbus, Ga.-Ala. Russell County, Ala. Chattahoochee County, Ga. Muscogee County, Ga. ⁴ Columbus, Ohio Delaware County, Ohio Fairfield County, Ohio Franklin County, Ohio Madison County, Ohio Pickaway County, Ohio Corpus Christi, Tex. Nueces County, Tex. San Patricio County, Tex. Cumberland, Md.-W. Va.¹ Allegany County, Md. Mineral County, W. Va. Dallas-Fort Worth, Tex. Collin County, Tex. Dallas County, Tex. Denton County, Tex. Ellis County, Tex. Hood County, Tex. Johnson County, Tex. Kaufman County, Tex. Parker County, Tex. Rockwall County, Tex. Tarrant County, Tex. Wise County, Tex. Danbury, Conn. Fairfield County, Conn. (part) Bethel town, Conn. Brookfield town, Conn. Danbury city, Conn. New Fairfield town, Conn. Newtown town, Conn. Redding town, Conn. Litchfield County, Conn. (part) New Milford town, Conn. Danville, Va.¹ Pittsylvania County, Va. Danville city, Va. ² Davenport-Rock Island-Moline, Iowa-Ill. Henry County, Ill. Rock Island County, Ill. Scott County, Iowa Dayton, Ohio Greene County, Ohio Miami County, Ohio Montgomery County, Ohio Preble County, Ohio Daytona Beach, Fla. Volusia County, Fla. Decatur, Ill. Macon County, Ill. Denver-Boulder, Colo. Adams County, Colo. Arapahoe County, Colo. Boulder County, Colo. Denver County, Colo. Douglas County, Colo. Gilpin County, Colo. Jefferson County, Colo. Des Moines, Iowa Polk County, Iowa Warren County, Iowa Detroit, Mich. Lapeer County, Mich. Livingston County, Mich. Macomb County, Mich. Oakland County, Mich. St. Clair County, Mich. Wayne County, Mich. Dubuque, Iowa Dubuque County, Iowa	Duluth-Superior, Minn.-Wis. St. Louis County, Minn. Douglas County, Wis. Eau Claire, Wis. Chippewa County, Wis. Eau Claire County, Wis. El Paso, Tex. El Paso County, Tex. Elkhart, Ind.¹ Elkhart County, Ind. Elmira, N.Y. Chemung County, N.Y. Enid, Okla.¹ Garfield County, Okla. Erie, Pa. Erie County, Pa. Eugene-Springfield, Oreg. Lane County, Oreg. Evansville, Ind.-Ky. Gibson County, Ind. Posey County, Ind. Vanderburgh County, Ind. Warrick County, Ind. Henderson County, Ky. Fall River, Mass.-R.I. Bristol County, Mass. (part) Dighton town, Mass. Fall River city, Mass. Somerset town, Mass. Swansea town, Mass. Westport town, Mass. Newport County, R.I. (part) Little Compton town, R.I. Portsmouth town, R.I. Tiverton town, R.I. Fargo-Moorhead, N. Dak.-Minn. Clay County, Minn. Cass County, N. Dak. Fayetteville, N.C. Cumberland County, N.C. Fayetteville-Springdale, Ark. Benton County, Ark. Washington County, Ark. Fitchburg-Leominster, Mass. Middlesex County, Mass. (part) Shirley town, Mass. Townsend town, Mass. Worcester County, Mass. (part) Fitchburg city, Mass. Leominster city, Mass. Lunenburg town, Mass. Westminster town, Mass. Flint, Mich. Genesee County, Mich. Shiawassee County, Mich. Florence, Ala. Colbert County, Ala. Lauderdale County, Ala. Florence, S.C.¹ Florence County, S.C. Fort Collins, Colo. Larimer County, Colo. Fort Lauderdale-Hollywood, Fla. Broward County, Fla. Fort Myers-Cape Coral, Fla.³ Lee County, Fla. Fort Smith, Ark.-Okla. Crawford County, Ark. Sebastian County, Ark. Le Flore County, Okla. Sequoyah County, Okla. Fort Walton Beach, Fla.¹ Okaloosa County, Fla.

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Fort Wayne, Ind. Adams County, Ind. Allen County, Ind. De Kalb County, Ind. Wells County, Ind.	Hartford, Conn.—Conn. Hartford County, Conn. (part)—Conn. Simsbury town, Conn. South Windsor town, Conn. Suffield town, Conn. West Hartford town, Conn. Wethersfield town, Conn. Windsor Locks town, Conn. Windsor town, Conn. Litchfield County, Conn. (part) New Hartford town, Conn. Middlesex County, Conn. (part) Cromwell town, Conn. East Hampton town, Conn. Portland town, Conn. New London County, Conn. (part) Colchester borough, Conn. Colchester town balance, Conn. Tolland County, Conn. (part) Andover town, Conn. Bolton town, Conn. Columbia town, Conn. Coventry town, Conn. Ellington town, Conn. Hebron town, Conn. Stafford Springs borough, Conn. Stafford town balance, Conn. Tolland town, Conn. Vernon town, Conn. Willington town, Conn.	Jersey City, N.J. Hudson County, N.J.
Fresno, Calif. Fresno County, Calif.	Hickory, N.C.¹ Alexander County, N.C. Catawba County, N.C.	Johnson City-Kingsport-Bristol, Tenn.-Va. Carter County, Tenn. Hawkins County, Tenn. Sullivan County, Tenn. Unicoi County, Tenn. Washington County, Tenn. Scott County, Va. Washington County, Va. Bristol city, Va. ²
Gadsden, Ala. Etowah County, Ala.	Honolulu, Hawaii Honolulu County, Hawaii	Johnstown, Pa. Cambria County, Pa. Somerset County, Pa.
Gainesville, Fla. Alachua County, Fla.	Houston, Tex. Brazoria County, Tex. Fort Bend County, Tex. Harris County, Tex. Liberty County, Tex. Montgomery County, Tex. Waller County, Tex.	Joplin, Mo.¹ Jasper County, Mo. Newton County, Mo.
Galveston-Texas City, Tex. Galveston County, Tex.	Huntington-Ashland, W. Va.-Ky.-Ohio Boyd County, Ky. Greenup County, Ky. Lawrence County, Ohio Cabell County, W. Va. Wayne County, W. Va.	Kalamazoo-Portage, Mich. Kalamazoo County, Mich. Van Buren County, Mich.
Gary-Hammond-East Chicago, Ind. Lake County, Ind. Porter County, Ind.	Huntsville, Ala. Limestone County, Ala. Madison County, Ala. Marshall County, Ala.	Kankakee, Ill. Kankakee County, Ill.
Glens Falls, N.Y.¹ Warren County, N.Y. Washington County, N.Y.	Indianapolis, Ind. Boone County, Ind. Hamilton County, Ind. Hancock County, Ind. Hendricks County, Ind. Johnson County, Ind. Marion County, Ind. Morgan County, Ind. Shelby County, Ind.	Kansas City, Mo.-Kans. Johnson County, Kans. Wyandotte County, Kans. Cass County, Mo. Clay County, Mo. Jackson County, Mo. Platte County, Mo. Ray County, Mo.
Grand Forks, N. Dak.-Minn. Polk County, Minn. Grand Forks County, N. Dak.	Iowa City, Iowa¹ Johnson County, Iowa	Kenosha, Wis. Kenosha County, Wis.
Grand Rapids, Mich. Kent County, Mich. Ottawa County, Mich.	Jackson, Mich. Jackson County, Mich.	Killeen-Temple, Tex. Bell County, Tex. Coryell County, Tex.
Great Falls, Mont. Cascade County, Mont.	Jackson, Miss. Hinds County, Miss. Rankin County, Miss.	Knoxville, Tenn. Anderson County, Tenn. Blount County, Tenn. Knox County, Tenn. Union County, Tenn.
Greeley, Colo. Weld County, Colo.	Jacksonville, Fla. Baker County, Fla. Clay County, Fla. Duval County, Fla. Nassau County, Fla. St. Johns County, Fla.	Kokomo, Ind. Howard County, Ind. Tipton County, Ind.
Green Bay, Wis. Brown County, Wis.	Jacksonville, N.C.¹ Onslow County, N.C.	La Crosse, Wis. La Crosse County, Wis.
Greensboro-Winston-Salem-High Point, N.C. Davidson County, N.C. Forsyth County, N.C. Guilford County, N.C. Randolph County, N.C. Stokes County, N.C. Yadkin County, N.C.	Janesville-Beloit, Wis.¹ Rock County, Wis.	Lafayette, La. Lafayette Parish, La.
Greenville-Spartanburg, S.C. Greenville County, S.C. Pickens County, S.C. Spartanburg County, S.C.		Lafayette-West Lafayette, Ind. Tippecanoe County, Ind.
Hagerstown, Md.¹ Washington County, Md.		Lake Charles, La. Calcasieu Parish, La.
Hamilton-Middletown, Ohio Butler County, Ohio		Lakeland-Winter Haven, Fla. Polk County, Fla.
Harrisburg, Pa. Cumberland County, Pa. Dauphin County, Pa. Perry County, Pa.		Lancaster, Pa. Lancaster County, Pa.
Hartford, Conn. Hartford County, Conn. (part) Avon town, Conn. Bloomfield town, Conn. Canton town, Conn. East Granby town, Conn. East Hartford town, Conn. East Windsor town, Conn. Enfield town, Conn. Farmington town, Conn. Glastonbury town, Conn. Granby town, Conn. Hartford city, Conn. Manchester town, Conn. Marlborough town, Conn. Newington town, Conn. Rocky Hill town, Conn.		Lansing-East Lansing, Mich. Clinton County, Mich. Eaton County, Mich. Ingham County, Mich. Ionia County, Mich.

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
<p>Lawrence-Haverhill, Mass.-N.H. Essex County, Mass. (part) Amesbury town, Mass. Andover town, Mass. Georgetown town, Mass. Groveland town, Mass. Haverhill city, Mass.</p> <p>Lawrence city, Mass. Merrimac town, Mass. Methuen town, Mass. North Andover town, Mass. Salisbury town, Mass. West Newbury town, Mass.</p> <p>Rockingham County, N.H. (part) Atkinson town, N.H. Hampstead town, N.H. Kingston town, N.H. Newton town, N.H. Plaistow town, N.H. Salem town, N.H. Windham town, N.H.</p>	<p>Macon, Ga. Bibb County, Ga. Houston County, Ga. Jones County, Ga. Twiggs County, Ga.</p> <p>Madison, Wis. Dane County, Wis.</p> <p>Manchester, N.H. Hillsborough County, N.H. (part) Bedford town, N.H. Goffstown town, N.H. Manchester city, N.H.</p> <p>Merrimack County, N.H. (part) Allentown town, N.H. Hooksett town, N.H. Pembroke town, N.H.</p> <p>Rockingham County, N.H. (part) Derry town, N.H. Londonderry town, N.H.</p>	<p>Nashua, N.H. Hillsborough County, N.H. (part) Amherst town, N.H. Hudson town, N.H. Merrimack town, N.H. Milford town, N.H. Nashua city, N.H.</p> <p>Nashville-Davidson, Tenn. Cheatham County, Tenn. Davidson County, Tenn. Dickson County, Tenn. Robertson County, Tenn. Rutherford County, Tenn.</p> <p>Sumner County, Tenn. Williamson County, Tenn. Wilson County, Tenn.</p>
<p>Lawton, Okla. Comanche County, Okla.</p>	<p>Mansfield, Ohio Richland County, Ohio</p>	<p>Nassau-Suffolk, N.Y. Nassau County, N.Y. Suffolk County, N.Y.</p>
<p>Lewiston-Auburn, Maine Androscoggin County, Maine (part) Auburn city, Maine Lewiston city, Maine Lisbon town, Maine</p>	<p>McAllen-Pharr-Edinburg, Tex. Hidalgo County, Tex.</p>	<p>New Bedford, Mass. Bristol County, Mass. (part) Acushnet town, Mass. Dartmouth town, Mass. Fairhaven town, Mass. Freetown town, Mass. New Bedford city, Mass.</p>
<p>Lexington-Fayette, Ky. Bourbon County, Ky. Clark County, Ky. Fayette County, Ky. Jessamine County, Ky. Scott County, Ky. Woodford County, Ky.</p>	<p>Medford, Oreg.¹ Jackson County, Oreg.</p>	<p>Plymouth County, Mass. (part) Lakeville town, Mass. Marion town, Mass. Mattapoisett town, Mass.</p>
<p>Lexington-Fayette, Ky. Bourbon County, Ky. Clark County, Ky. Fayette County, Ky. Jessamine County, Ky. Scott County, Ky. Woodford County, Ky.</p>	<p>Melbourne-Titusville-Cocoa, Fla. Brevard County, Fla.</p>	<p>New Britain, Conn. Hartford County, Conn. (part) Berlin town, Conn. New Britain city, Conn. Plainville town, Conn. Southington town, Conn.</p>
<p>Lima, Ohio Allen County, Ohio Auglaize County, Ohio Putnam County, Ohio Van Wert County, Ohio</p>	<p>Memphis, Tenn.-Ark.-Miss. Crittenden County, Ark. De Soto County, Miss. Shelby County, Tenn. Tipton County, Tenn.</p>	<p>New Brunswick-Perth Amboy-Sayreville, N.J. Middlesex County, N.J.</p>
<p>Lincoln, Nebr. Lancaster County, Nebr.</p>	<p>Meriden, Conn. New Haven County, Conn. (part) Meriden city, Conn.</p>	<p>New Haven-West Haven, Conn. Middlesex County, Conn. (part) Clinton town, Conn.</p>
<p>Little Rock-North Little Rock, Ark. Pulaski County, Ark. Saline County, Ark.</p>	<p>Miami, Fla. Dade County, Fla.</p>	<p>New Haven County, Conn. (part) Bethany town, Conn. Branford town, Conn. East Haven town, Conn. Guilford town, Conn. Hamden town, Conn.</p>
<p>Long Branch-Asbury Park, N.J. Monmouth County, N.J.</p>	<p>Midland, Tex. Midland County, Tex.</p>	<p>Madison town, Conn. New Haven city, Conn. North Branford town, Conn. North Haven town, Conn. Orange town, Conn.</p>
<p>Longview-Marshall, Tex.⁴ Gregg County, Tex. Harrison County, Tex.</p>	<p>Milwaukee, Wis. Milwaukee County, Wis. Ozaukee County, Wis. Washington County, Wis. Waukesha County, Wis.</p>	<p>Wallingford town, Conn. West Haven city, Conn. Woodbridge town, Conn.</p>
<p>Lorain-Elyria, Ohio Lorain County, Ohio</p>	<p>Minneapolis-St. Paul, Minn.-Wis. Anoka County, Minn. Carver County, Minn. Chisago County, Minn. Dakota County, Minn. Hennepin County, Minn.</p>	<p>New London-Norwich, Conn.-R.I. Middlesex County, Conn. (part) Fenwick borough, Conn.⁷ Old Saybrook town, Conn.</p>
<p>Los Angeles-Long Beach, Calif. Los Angeles County, Calif.</p>	<p>Ramsey County, Minn. Scott County, Minn. Washington County, Minn. Wright County, Minn. St. Croix County, Wis.</p>	<p>New London County, Conn. (part) Bozrah town, Conn. East Lyme town, Conn. Griswold town balance, Conn. Groton city, Conn. Groton town balance, Conn.</p>
<p>Louisville, Ky.-Ind. Clark County, Ind. Floyd County, Ind. Bullitt County, Ky. Jefferson County, Ky. Oldham County, Ky.</p>	<p>Mobile, Ala. Baldwin County, Ala. Mobile County, Ala.</p>	<p>Jewett City borough, Conn. Ledyard town, Conn. Lisbon town, Conn. Montville town, Conn. New London city, Conn.</p>
<p>Lowell, Mass.-N.H. Middlesex County, Mass. (part) Billerica town, Mass. Chelmsford town, Mass. Dracut town, Mass. Lowell city, Mass. Tewksbury town, Mass. Tyngsborough town, Mass. Westford town, Mass.</p>	<p>Modesto, Calif. Stanislaus County, Calif.</p>	
<p>Hillsborough County, N.H. (part) Pelham town, N.H.</p>	<p>Monroe, La. Ouachita Parish, La.</p>	
<p>Lubbock, Tex. Lubbock County, Tex.</p>	<p>Montgomery, Ala. Autauga County, Ala. Elmore County, Ala. Montgomery County, Ala.</p>	
<p>Lynchburg, Va. Amherst County, Va. Appomattox County, Va., Campbell County, Va. Lynchburg city, Va.²</p>	<p>Muncie, Ind. Delaware County, Ind.</p>	
	<p>Muskegon-Norton Shores-Muskegon Heights, Mich. Muskegon County, Mich. Oceana County, Mich.</p>	

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
New London-Norwich, Conn.-R.I.—Con. New London County, Conn. (part)—Con. Norwich city, Conn. Old Lyme town, Conn. Preston town, Conn. Sprague town, Conn. Stonington town, Conn. Waterford town, Conn. Washington County, R.I. (part) Hopkinton town, R.I. Westerly town, R.I.	Orlando, Fla. Orange County, Fla. Osceola County, Fla. Seminole County, Fla. Owensboro, Ky. Daviess County, Ky. Oxnard-Simi Valley-Ventura, Calif. Ventura County, Calif.	Portland, Maine—Con. Cumberland County, Maine (part)—Con. Portland city, Maine Scarborough town, Maine South Portland city, Maine Westbrook city, Maine Windham town, Maine Yarmouth town, Maine York County, Maine (part) Old Orchard Beach town, Maine Saco city, Maine
New Orleans, La. Jefferson Parish, La. Orleans Parish, La. St. Bernard Parish, La. St. Tammany Parish, La.	Panama City, Fla. Bay County, Fla.	Portland, Oreg.-Wash. Clackamas County, Oreg. Multnomah County, Oreg. Washington County, Oreg. Clark County, Wash.
New York, N.Y.-N.J. Bergen County, N.J. Bronx County, N.Y. Kings County, N.Y. New York County, N.Y. Putnam County, N.Y. Queens County, N.Y. Richmond County, N.Y. Rockland County, N.Y. Westchester County, N.Y.	Parkersburg-Marietta, W. Va.-Ohio Washington County, Ohio Wirt County, W. Va. Wood County, W. Va.	Portsmouth-Dover-Rochester, N.H.-Maine¹ York County, Maine (part) Berwick town, Maine Eliot town, Maine Kittery town, Maine South Berwick town, Maine York town, Maine
Newark, N.J. Essex County, N.J. Morris County, N.J. Somerset County, N.J. Union County, N.J.	Pascagoula-Moss Point, Miss. Jackson County, Miss.	Rockingham County, N.H. (part) Greenland town, N.H. Hampton town, N.H. New Castle town, N.H. Newfields town, N.H. Newington town, N.H.
Newark, Ohio¹ Licking County, Ohio	Paterson-Cifton-Passaic, N.J. Passaic County, N.J.	Newmarket town, N.H. North Hampton town, N.H. Portsmouth city, N.H. Rye town, N.H.
Newburgh-Middletown, N.Y.¹ Orange County, N.Y.	Pensacola, Fla. Escambia County, Fla. Santa Rosa County, Fla.	Strafford County, N.H. (part) Barrington town, N.H. Dover city, N.H. Durham town, N.H. Farmington town, N.H. Lee town, N.H.
Newport News-Hampton, Va. Gloucester County, Va. James City County, Va. York County, Va. Hampton city, Va. ² Newport News city, Va. ² Poquoson city, Va. ² Williamsburg city, Va. ²	Peoria, Ill. Peoria County, Ill. Tazewell County, Ill. Woodford County, Ill.	Madbury town, N.H. Rochester city, N.H. Rollinsford town, N.H. Somersworth city, N.H.
Norfolk-Virginia Beach-Portsmouth, Va.-N.C. Currituck County, N.C. Chesapeake city, Va. ² Norfolk city, Va. ² Portsmouth city, Va. ² Suffolk city, Va. ² Virginia Beach city, Va. ²	Petersburg-Colonial Heights-Hopewell, Va. Dinwiddie County, Va. Prince George County, Va. Colonial Heights city, Va. ² Hopewell city, Va. ² Petersburg city, Va. ²	Poughkeepsie, N.Y. Dutchess County, N.Y.
Northeast Pennsylvania Lackawanna County, Pa. Luzerne County, Pa. Monroe County, Pa.	Philadelphia, Pa.-N.J. Burlington County, N.J. Camden County, N.J. Gloucester County, N.J. Bucks County, Pa. Chester County, Pa. Delaware County, Pa. Montgomery County, Pa. Philadelphia County, Pa.	Providence-Warwick-Pawtucket, R.I.-Mass. Bristol County, Mass. (part) Attleboro city, Mass. North Attleborough town, Mass. Norton town, Mass. Rehoboth town, Mass. Seekonk town, Mass.
Norwalk, Conn. Fairfield County, Conn. (part) Norwalk city, Conn. Weston town, Conn. Westport town, Conn. Wilton town, Conn.	Phoenix, Ariz. Maricopa County, Ariz.	Norfolk County, Mass. (part) Plainville town, Mass.
Ocala, Fla.¹ Marion County, Fla.	Pine Bluff, Ark. Jefferson County, Ark.	Worcester County, Mass. (part) Blackstone town, Mass. Millville town, Mass.
Odessa, Tex. Ector County, Tex.	Pittsburgh, Pa. Allegheny County, Pa. Beaver County, Pa. Washington County, Pa. Westmoreland County, Pa.	Bristol County, R.I. Barrington town, R.I. Bristol town, R.I. Warren town, R.I.
Oklahoma City, Okla. Canadian County, Okla. Cleveland County, Okla. McClain County, Okla. Oklahoma County, Okla. Pottawatomie County, Okla.	Pittsfield, Mass. Berkshire County, Mass. (part) Adams town, Mass. Cheshire town, Mass. Dalton town, Mass. Lanesborough town, Mass. Lee town, Mass. Lenox town, Mass. Pittsfield city, Mass. Stockbridge town, Mass.	Kent County, R.I. (part) Coventry town, R.I. East Greenwich town, R.I. Warwick city, R.I. West Warwick town, R.I.
Olympia, Wash.¹ Thurston County, Wash.	Portland, Maine Cumberland County, Maine (part) Cape Elizabeth town, Maine Cumberland town, Maine Falmouth town, Maine Freeport town, Maine Gorham town, Maine	Newport County, R.I. (part) Jamestown town, R.I.
Omaha, Nebr.-Iowa Pottawattamie County, Iowa Douglas County, Nebr. Sarpy County, Nebr.		Providence County, R.I. (part) Burrillville town, R.I. Central Falls city, R.I. Cranston city, R.I. Cumberland town, R.I. East Providence city, R.I. Johnston town, R.I. Lincoln town, R.I. North Providence town, R.I. North Smithfield town, R.I. Pawtucket city, R.I.

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Providence-Warwick-Pawtucket, R.I.-Mass.—Con. Providence County, R.I. (part)—Con. Providence city, R.I. Scituate town, R.I. Smithfield town, R.I. Woonsocket city, R.I. Washington County, R.I. (part) Narragansett town, R.I. North Kingstown town, R.I. South Kingstown town, R.I.	St. Louis, Mo.-Ill. Clinton County, Ill. Madison County, Ill. Monroe County, Ill. St. Clair County, Ill. Franklin County, Mo. Jefferson County, Mo. St. Charles County, Mo. St. Louis County, Mo. St. Louis city, Mo. ²	Springfield, Ill. Menard County, Ill. Sangamon County, Ill. Springfield, Mo. Christian County, Mo. Greene County, Mo. Springfield, Ohio Champaign County, Ohio Clark County, Ohio
Provo-Orem, Utah Utah County, Utah	Salem, Oreg. Marion County, Oreg. Polk County, Oreg.	Springfield-Chicopee-Holyoke, Mass.-Conn. Tolland County, Conn. (part) Somers town, Conn.
Pueblo, Colo. Pueblo County, Colo.	Salinas-Seaside-Monterey, Calif. Monterey County, Calif.	Hampden County, Mass. (part) Agawam town, Mass. Chicopee city, Mass. East Longmeadow town, Mass. Hampden town, Mass. Holyoke city, Mass.
Racine, Wis. Racine County, Wis.	Salisbury-Concord, N.C.¹ Cabarrus County, N.C. Rowan County, N.C.	Longmeadow town, Mass. Ludlow town, Mass. Monson town, Mass. Palmer town, Mass. Southwick town, Mass.
Raleigh-Durham, N.C. Durham County, N.C. Orange County, N.C. Wake County, N.C.	Salt Lake City-Ogden, Utah Davis County, Utah Salt Lake County, Utah Tooele County, Utah Weber County, Utah	Springfield city, Mass. West Springfield town, Mass. Westfield city, Mass. Wilbraham town, Mass.
Reading, Pa. Berks County, Pa.	San Angelo, Tex. Tom Green County, Tex.	Hampshire County, Mass. (part) Belchertown town, Mass. Easthampton town, Mass. Granby town, Mass. Hadley town, Mass. Hatfield town, Mass.
Redding, Calif.¹ Shasta County, Calif.	San Antonio, Tex. Bexar County, Tex. Comal County, Tex. Guadalupe County, Tex.	Northampton city, Mass. South Hadley town, Mass. Southampton town, Mass.
Reno, Nev. Washoe County, Nev.	San Diego, Calif. San Diego County, Calif.	Worcester County, Mass. (part) Warren town, Mass.
Richland-Kennewick-Pasco, Wash.² Benton County, Wash. Franklin County, Wash.	San Francisco-Oakland, Calif. Alameda County, Calif. Contra Costa County, Calif. Marin County, Calif. San Francisco County, Calif. San Mateo County, Calif.	Stamford, Conn. Fairfield County, Conn. (part) Darien town, Conn. Greenwich town, Conn. New Canaan town, Conn. Stamford city, Conn.
Richmond, Va. Charles City County, Va. Chesterfield County, Va. Goochland County, Va. Hanover County, Va. Henrico County, Va. New Kent County, Va. Powhatan County, Va. Richmond city, Va. ²	San Jose, Calif. Santa Clara County, Calif.	State College, Pa.¹ Centre County, Pa.
Riverside-San Bernardino-Ontario, Calif. Riverside County, Calif. San Bernardino County, Calif.	Santa Barbara-Santa Maria-Lompoc, Calif. Santa Barbara County, Calif.	Steubenville-Weirton, Ohio-W. Va. Jefferson County, Ohio Brooke County, W. Va. Hancock County, W. Va.
Roanoke, Va. Botetourt County, Va. Craig County, Va. Roanoke County, Va. Roanoke city, Va. ¹ Salem city, Va. ²	Santa Cruz, Calif. Santa Cruz County, Calif.	Stockton, Calif. San Joaquin County, Calif.
Rochester, Minn. Olmsted County, Minn.	Santa Rosa, Calif. Sonoma County, Calif.	Syracuse, N.Y. Madison County, N.Y. Onondaga County, N.Y. Oswego County, N.Y.
Rochester, N.Y. Livingston County, N.Y. Monroe County, N.Y. Ontario County, N.Y. Orleans County, N.Y. Wayne County, N.Y.	Sarasota, Fla. Sarasota County, Fla.	Tacoma, Wash. Pierce County, Wash.
Rockford, Ill. Boone County, Ill. Winnebago County, Ill.	Savannah, Ga. Bryan County, Ga. Chatham County, Ga. Effingham County, Ga.	Tallahassee, Fla. Leon County, Fla. Wakulla County, Fla.
Rock Hill, S.C.¹ York County, S.C.	Seattle-Everett, Wash. King County, Wash. Snohomish County, Wash.	Tampa-St. Petersburg, Fla. Hillsborough County, Fla. Pasco County, Fla. Pinellas County, Fla.
Sacramento, Calif. Placer County, Calif. Sacramento County, Calif. Yolo County, Calif.	Sharon, Pa.¹ Mercer County, Pa.	Terre Haute, Ind. Clay County, Ind. Sullivan County, Ind. Vermillion County, Ind. Vigo County, Ind.
Saginaw, Mich. Saginaw County, Mich.	Sheboygan, Wis.¹ Sheboygan County, Wis.	Texarkana, Tex.-Texarkana, Ark. Little River County, Ark. Miller County, Ark. Bowie County, Tex.
St. Cloud, Minn. Benton County, Minn. Sherburne County, Minn. Stearns County, Minn.	Sherman-Denison, Tex. Grayson County, Tex.	
St. Joseph, Mo. Andrew County, Mo. Buchanan County, Mo.	Shreveport, La. Bossier Parish, La. Caddo Parish, La. Webster Parish, La.	
	Sioux City, Iowa-Nebr. Woodbury County, Iowa Dakota County, Nebr.	
	Sioux Falls, S. Dak. Minnehaha County, S. Dak.	
	South Bend, Ind. Marshall County, Ind. St. Joseph County, Ind.	
	Spokane, Wash. Spokane County, Wash.	

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Toledo, Ohio-Mich. Monroe County, Mich. Fulton County, Ohio Lucas County, Ohio Ottawa County, Ohio Wood County, Ohio	Washington, D.C.-Md.-Va. Washington, D.C. Charles County, Md. Montgomery County, Md. Prince George's County, Md. Arlington County, Va. Fairfax County, Va. Loudoun County, Va. Prince William County, Va. Alexandria city, Va. ² Fairfax city, Va. ² Falls Church city, Va. ² Manassas city, Va. ² Manassas Park city, Va. ²	Wichita Falls, Tex. Clay County, Tex. Wichita County, Tex. Williamsport, Pa. Lycoming County, Pa. Wilmington, Del.-N.J.-Md. New Castle County, Del. Cecil County, Md. Salem County, N.J. Wilmington, N.C. Brunswick County, N.C. New Hanover County, N.C.
Topeka, Kans. Jefferson County, Kans. Osage County, Kans. Shawnee County, Kans.	Waterbury, Conn. Litchfield County, Conn. (part) Thomaston town, Conn. Watertown town, Conn. Woodbury town, Conn. New Haven County, Conn. (part) Beacon Falls town, Conn. Cheshire town, Conn. Middlebury town, Conn. Naugatuck borough, Conn. Prospect town, Conn. Southbury town, Conn. Waterbury city, Conn. Wolcott town, Conn.	Worcester, Mass. Worcester County, Mass. (part) Auburn town, Mass. Berlin town, Mass. Boylston town, Mass. Brookfield town, Mass. Charlton town, Mass. East Brookfield town, Mass. Grafton town, Mass. Holden town, Mass. Leicester town, Mass. Millbury town, Mass. North Brookfield town, Mass. Northborough town, Mass. Northbridge town, Mass. Oxford town, Mass. Paxton town, Mass. Shrewsbury town, Mass. Spencer town, Mass. Sterling town, Mass. Sutton town, Mass. Upton town, Mass. Uxbridge town, Mass. Webster town, Mass. West Boylston town, Mass. Westborough town, Mass. Worcester city, Mass.
Trenton, N.J. Mercer County, N.J.	Waterloo-Cedar Falls, Iowa Black Hawk County, Iowa	Yakima, Wash. Yakima County, Wash.
Tucson, Ariz. Pima County, Ariz.	Wausau, Wis.¹ Marathon County, Wis.	York, Pa. Adams County, Pa. York County, Pa.
Tulsa, Okla. Creek County, Okla. Mayes County, Okla. Osage County, Okla. Rogers County, Okla. Tulsa County, Okla. Wagoner County, Okla.	West Palm Beach-Boca Raton, Fla. Palm Beach County, Fla.	Youngstown-Warren, Ohio Mahoning County, Ohio Trumbull County, Ohio
Tuscaloosa, Ala. Tuscaloosa County, Ala.	Wheeling, W. Va.-Ohio Belmont County, Ohio Marshall County, W. Va. Ohio County, W. Va.	Yuba City, Calif.¹ Sutter County, Calif. Yuba County, Calif.
Tyler, Tex. Smith County, Tex.	Wichita, Kans. Butler County, Kans. Sedgwick County, Kans.	
Utica-Rome, N.Y. Herkimer County, N.Y. Oneida County, N.Y.		
Vallejo-Fairfield-Napa, Calif. Napa County, Calif. Solano County, Calif.		
Victoria, Tex.¹ Victoria County, Tex.		
Vineland-Millville-Bridgeton, N.J. Cumberland County, N.J.		
Visalia-Tulare-Porterville, Calif.¹ Tulare County, Calif.		
Waco, Tex. McLennan County, Tex.		

¹New SMSA since 1977 Economic Censuses.

²Independent of any county and considered a county equivalent.

³Millford town balance and Woodmont borough added since 1977 Economic Censuses.

⁴Muscogee County has been reinstated as a county. It replaced the county equivalent record for the independent city of Columbus.

⁵1977 title was Fort Myers, Fla.

⁶1977 title was Longview, Tex.

⁷Fenwick borough added since 1977 Economic Censuses.

⁸1977 title was Richland-Kennewick, Wash.

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PUBLICATION PROGRAM

1982 CENSUS OF CONSTRUCTION INDUSTRIES

Publications of the 1982 Census of Construction Industries, containing data on construction establishments in the United States, are described below. Publications order forms for the specific reports may be obtained from any Department of Commerce district office or from Data User Services Division, Customer Services (Publications), Bureau of the Census, Washington, D.C. 20233.

Preliminary Reports

Preliminary data from the 1982 census have been issued in 27 industry reports and 1 summary report. These reports are superseded by more detailed final reports.

Final Reports

Final detailed statistics are issued in separate paperbound reports.

Industry series—28 reports (CC82-I-1 to -28)

Industry series—27 reports (CC82-I-1 to -27). These reports present data for establishments with payroll and are published for each of the 27 industries included in the census. Each industry report presents 1982 data by State and for the United States on number of construction establishments; receipts; employment; hours worked; payrolls; payments to subcontractors; payments for materials, components, and supplies; payments for power and fuels; payments for selected purchased services; payments for the rental of machinery, equipment, and structures; value added; capital expenditures during the year; and depreciable assets. Limited data for 1977, 1972, and 1967 are shown. In addition, more detailed data are shown at the U.S. level for receipts by type of structure (single-family houses, etc.). Selected data also are provided for establishments without payroll by employment size and receipts size.

U.S. Summary—1 report (CC82-I-28). This report presents data for establishments with payroll presented in the 27 industry reports and presents limited data for establishments without payroll.

Geographic area series—10 reports (CC82-A-1 to -10)

Division reports (CC82-A-1 to -9). These reports present data for the States grouped according to the nine census geographic areas. Data of the geographic area series data are the same as the industry series data, except here they are organized by State rather than by industry. Similar data also are presented for selected SMSA's. Data are provided for establishments classified by their employment size and receipts size. Data for establishments with no payroll as well as comparative 1977, 1972, and 1967 figures, on a limited basis, also are shown.

U.S. Summary by State (CC82-A-10). This report summarizes the data, as presented in the nine individual geographic division reports, for establishments with and without payroll.

Special series—1 report (CC82-SP-1)

Legal form of organization and type of operation (CC82-SP-1)—This report presents limited data (number of establishments, number of proprietors and working partners, total employment, and total receipts) for construction establishments without payroll, for construction establishments with payroll, and for the aggregate, classified by industry and by legal form of organization. It also contains selected statistics (number of establishments, employment, payrolls, receipts, payments to subcontractors, net construction receipts, and value added) for construction establishments with payroll, classified by industry and by type of operation (multiunit or single-unit) and by legal form of organization.

Final Report Volume

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